

| | |
|----------------|----------------|
| Incident ID | NAPP2105135414 |
| District RP | |
| Facility ID | |
| Application ID | |

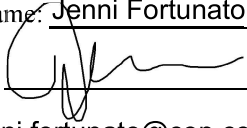
Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: Jenni FortunatoTitle: Progam Manager, RemediationSignature: Date: 5/17/2021email: jenni.fortunato@cop.comTelephone: 832-486-2477

OCD Only

Received by: Chad HensleyDate: 08/03/2021

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Date: 08/03/2021Printed Name: Chad HensleyTitle: Environmental Specialist Advanced



May 18, 2021

District Supervisor
Oil Conservation Division, District 1
1625 North French Drive
Hobbs, New Mexico 88240

**Re: Release Characterization, Remediation, and Closure Report
ConocoPhillips
MCA 151 Flowline Release
Unit Letter G, Section 28, Township 17 South, Range 32 East
Lea County, New Mexico
Incident ID: NAPP2105135414**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a release that occurred on a flowline from the Maljamar Cooperative Agreement (MCA) 151 well (API # 30-025-00739) wellhead. The release footprint is located within Public Land Survey System (PLSS) Unit Letter G, Section 28, Township 17 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.807702°, -103.769118°, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on February 19, 2021 following a hard freeze in the area. As documented on the C-141 form, a flowline failure resulted in the release of approximately 27 barrels (bbls) of produced water and 3 bbls of crude oil.

According to ConocoPhillips, the release occurred first from a point on the flowline located in the pasture approximately 120 feet (ft) north of the MCA 151 wellhead (release coordinates provided in previous section). A second release point was later identified on the flowline approximately 75 ft north of the initial release point. No free liquids were recovered immediately following the release. The northern release area footprint was fenced as a portion of initial response activities.

The C-141 report form for the release was submitted to the New Mexico Oil Conservation District (NMOCD) on March 15, 2021. The NMOCD assigned this release Incident ID NAPP2105135414. The Initial C-141 contained the incorrect GPS coordinates for the release point. The C-141 was revised and resubmitted to the NMOCD via the fee application portal with PO Number DWU3N-210427-C-1410 on April 27, 2021. The C-141 was approved by NMOCD on May 10, 2021.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the distances specified in 19.15.0029 New Mexico Administrative Code (NMAC). The Site is in an area of low karst potential.

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are twelve (12) water wells (five (5) of which have groundwater elevation data) within 800 meters (approximately ½

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mile) of the Site with an average depth to groundwater at 91 ft below ground surface (bgs). The data from these nearby wells used to determine depth to groundwater is no more than 25 years old and well construction information is provided. The site characterization data is included in Appendix B.

REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based on the site characterization and in accordance with Table I of 19.15.29.12 NMAC, the Site RRALs for the on-pad areas at the release Site are as follows:

| Constituent | Site RRALs |
|-------------|--------------|
| Chloride | 10,000 mg/kg |
| TPH | 2,500 mg/kg |
| BTEX | 50 mg/kg |
| Benzene | 10 mg/kg |

Additionally, in accordance with the NMOCD guidance *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* (September 6, 2019), the following reclamation requirements for surface soils (0-4 ft bgs) outside of active oil and gas operations are as follows:

| Constituent | Reclamation Requirements |
|-------------|--------------------------|
| Chloride | 600 mg/kg |
| TPH | 100 mg/kg |

INITIAL RESPONSE AND SITE ASSESSMENT

Based upon information provided by ConocoPhillips representatives, the release traveled approximately 975 ft to the south of the initial release point, where free liquids flowed along a pipeline right-of-way (ROW) in the pasture. An additional overspray area extended approximately 275 ft in pasture to the north of the initial release point. The approximate release extent and release points are shown in Figure 3. Photographic documentation of the initial release extent is presented in Appendix C. Following discovery of the release, ConocoPhillips repaired the split line and scraped the visually impacted areas on the MCA 151 well pad and associated lease road to an approximate depth of 6 inches bgs as a portion of initial response.

In order to properly characterize the release footprint and achieve horizontal and vertical delineation of the release extent, ConocoPhillips conducted soil sampling beginning in February 2021. Ten (10) hand auger borings were installed within (AH-9 to 6 ft bgs and AH-10 to 4 ft bgs) and along the perimeter (AH-1 through AH-8, each to 1 ft bgs) of the entire release extent on February 26, 2021. One (1) boring (BH-1) was installed using an air rotary drill rig to a depth of 20 ft bgs within the release extent on March 1, 2021 in order to vertically delineate near the release point. Select soil samples were field screened for salinity parts per million (ppm) using an ExStik II EC 400 meter.

A total of twenty-seven (27) samples were collected from the eleven (11) boring locations and submitted to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico to be analyzed for chlorides via EPA Method 4500.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analytical reports and chain-of-custody documentation are included in Appendix D.

On April 1, 2021, ConocoPhillips retained Tetra Tech personnel to install an additional ten (10) hand auger borings to 1 ft bgs (AH-11 through AH-19) and 2 ft bgs (AH-20) inside the overspray area footprint in pasture on the north end of the release extent. Thirteen more (13) hand auger borings (AH-21 through AH-33) were installed within the release extent to depths ranging from 2 to 5 ft bgs in April 2021 to complete vertical

delineation of the release extent. The approximate release extent and boring locations are shown in Figures 4A (north extent of the release) and 4B (south extent of the release).

A total of fifty-nine (59) samples were collected from the twenty-three (23) additional boring locations and submitted to Pace Analytical (Pace) in Mount Juliet, Tennessee to be analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the laboratory analytical reports and chain-of-custody documentation are included in Appendix D.

SUMMARY OF SAMPLING RESULTS

In all, a total of thirty-four (34) borings were installed within and outside of the release footprint using an air rotary drill rig and/or a hand auger during the Site assessment activities. The analytical results of the 2021 Site assessment are summarized in Table 1. The analytical results associated with the perimeter borings (AH-1 through AH-8) and the overspray area (borings AH-11 through AH-20) were below the Site RRALs and reclamation requirements for all constituents.

The analytical results associated with surface soil intervals (0-4 ft bgs) exceeded the reclamation requirement for chloride (600 mg/kg) at boring locations AH-9, AH-10, AH-21, AH-22, AH-23, AH-24, AH-27, AH-28, AH-30, AH-32, AH-33, and BH-1. Furthermore, the analytical results associated with the 4-5 ft bgs sample interval at BH-1 exceeded the remediation RRAL for chloride (10,000 mg/kg).

The analytical results associated with surface soil intervals (0-4 ft bgs) also exceeded the reclamation requirement for TPH (100 mg/kg) at boring locations AH-9, AH-10, AH-21, AH-22, AH-23, AH-25, AH-26, AH-27, AH-29, AH-30, AH-31, AH-32, AH-33, AH-34, and BH-1. Additionally, the analytical results associated with the 5-6 ft bgs sample interval at AH-9 exceeded the remediation RRAL for TPH (2,500 mg/kg).

The remediation RRAL for BTEX (50 mg/kg) was exceeded in the 0-1 ft sample interval at boring locations AH-9, AH-10, AH-23, AH-26, AH-27, AH-31, AH-32, AH-33, and BH-1. The 1-2 ft bgs sample interval at AH-33 and BH-1, as well as the 5-6 ft sample interval at AH-9 also exceeded the remediation RRAL for BTEX (50 mg/kg). The analytical results associated with the 0-1 ft sample interval at AH-9, AH-10, AH-32 and BH-1, as well as the 1-2 ft sample interval at AH-33 and BH-1, exceeded the remediation RRAL for Benzene (10 mg/kg).

There were no other analytical results which exceeded the Site RRALs or reclamation requirements in samples collected during the February 2021 soil assessment. After review of the analytical results from the sampling event, both horizontal and vertical delineation was achieved following the 2021 soil assessment activities.

REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

In accordance with 19.15.29.12 B (2) NMAC, COP elected to begin remediation of the impacted area in March 2021. Based on the analytical results from the soil assessment, impacted soils in the vicinity of boring locations AH-24 and AH-31 were excavated to 2 ft bgs. Impacted soils in the vicinity of boring locations AH-26, AH-28, and AH-29 were excavated to 3 ft bgs. Impacted soils in the vicinity of boring locations AH-21, AH-22, AH-23, AH-25, AH-27, AH-30, AH-32, and AH-33 were excavated to 4 ft bgs. Impacted soils in the vicinity of boring locations BH-1 and AH-9, were excavated to 6 ft bgs. Initial excavation work continued until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs and/or reclamation requirements to demonstrate compliance.

In accordance with 19.15.29.12(D)(1)(b) NMAC, ConocoPhillips conducted confirmation sampling of the remediated area for verification of remedial activities where each sidewall and floor sample was representative of approximately 200 square ft. Confirmation sidewall (SW) sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations are labeled with "FS-#". Selected areas required additional excavation to collect a representative sample that was below the respective RRAL for that location. As the analytical results associated with these sample

locations exceeded the respective RRAL, additional excavation was conducted at those locations until field screening results indicated closure criteria were attained.

Iterative confirmation samples were located to encompass the original sample locations that triggered removal post-additional excavation. If the sidewall area was expanded due to unacceptable confirmation sample results, the parentheses indicate the expansion iteration. For floor samples, the parentheses indicate the excavation floor depth from which the sample was collected. Excavated areas, depths and confirmation sample locations are shown in Figures 5A and 5B.

Initial analytical results associated with confirmation floor samples FS-10, FS-20, and FS-22 exceeded the reclamation requirements. Thus, the excavation floor was deepened to 4 ft bgs in these areas and additional floor samples were collected. Although the analytical results associated with FS-21 (2') did not exceed reclamation requirements, the pad area excavation was deepened based upon field visual examination. The deeper FS-21 (4') sample collected was also below reclamation requirements. Analytical results from confirmation sidewall sample locations ESW-11, ESW-16, and ESW-17 exceeded the reclamation requirements and necessitated expansion to the east by 2-4 feet, depending on the location. Iterative confirmation samples were collected after expansion of the excavation walls in these areas. Approximately 1,800 cubic yards of excavated material were transported to the R360 facility in Hobbs, New Mexico.

A total of twenty-four (24) confirmation floor sample locations and fifty-one (51) confirmation sidewall samples were collected during the remedial activities in March through May 2021. Confirmation samples were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed for TPH, BTEX, and chloride within appropriate holding times by Pace. Copies of the laboratory analytical reports and chain-of-custody documentation are included in Appendix E.

Following iterative sampling, all confirmation sidewall and floor sample results were below the 19.15.29.12 NMAC Table I closure criteria. In accordance with 19.15.29.13 (D) NMAC, analytical results for soils collected above 4 ft bgs in the off-pad pasture areas were below reclamation requirements for soils in the 0-4 ft bgs interval. Results from the March through May 2021 confirmation sampling events are summarized in Table 2.

The total remediated area encompassed a surface area of approximately 13,900 square ft. Photographic documentation of the excavation activities prior to backfilling is presented in Appendix C. The excavated areas were backfilled post-confirmation sample collection and upon receiving analytical results below the applicable RRALs. The impacted surface area occurring on the developed pad at the site was remediated to meet the standards of Table I of 19.15.29.12 NMAC. Final on-site reclamation and restoration will occur once the well is plugged and operations have ceased at this active well pad. The overspray portions in the pasture area were treated with Micro-Blaze® Emergency Liquid Spill Control to aid in the degradation of residual hydrocarbon.

The backfilled areas in the pasture were seeded to aid in revegetation. The remediated/reclaimed area was seeded in May 2021. Based on the soils at the site, the New Mexico State Land Office (NMSLO) Sandy (S) Sites Seed Mixture was used for seeding and planted in the amount specified in the pounds pure live seed (PLS) per acre.

Site inspections will be performed to assess the revegetation progress and evaluate the site for the presence of primary or secondary noxious weeds. If noxious weeds are identified, the NMSLO will be contacted to determine an effective method for eradication. If the site does not show revegetation after one growing season, the area will be reseeded as appropriate.

Release Characterization, Remediation, and Closure Report
May 18, 2021

ConocoPhillips

CONCLUSION

ConocoPhillips has completed remediation at the release site. This final closure report has been submitted within 90 days of discovery of the release. This final closure report details the release characterization and remediation activities and the results of the confirmation sampling. As noted, final on-site reclamation and restoration will occur once the well is plugged and operations have ceased at this active well pad.

If you have any questions concerning the soil assessment, the remediation work, or confirmation sampling for the Site, please call me at (512) 338-2861.

Sincerely,

Tetra Tech, Inc.



Samantha K. Abbott, P.G.
Senior Staff Geologist



Christian M. Llull, P.G.
Project Manager

cc:

Mr. Marvin Soriwei, RMR – ConocoPhillips
Ms. Jenni Fortunato, RMR – ConocoPhillips
Ms. Kelsy Waggaman, GPBU – ConocoPhillips

LIST OF ATTACHMENTS

Figures:

- Figure 1 – Site Location Map
- Figure 2 – Topographic Map
- Figure 3 – Approximate Release Extent – North and South
- Figure 4A – Site Assessment – North
- Figure 4B – Site Assessment – South
- Figure 5A – Remediation Extent and Confirmation Sampling Locations – North
- Figure 5B – Remediation Extent and Confirmation Sampling Locations – South

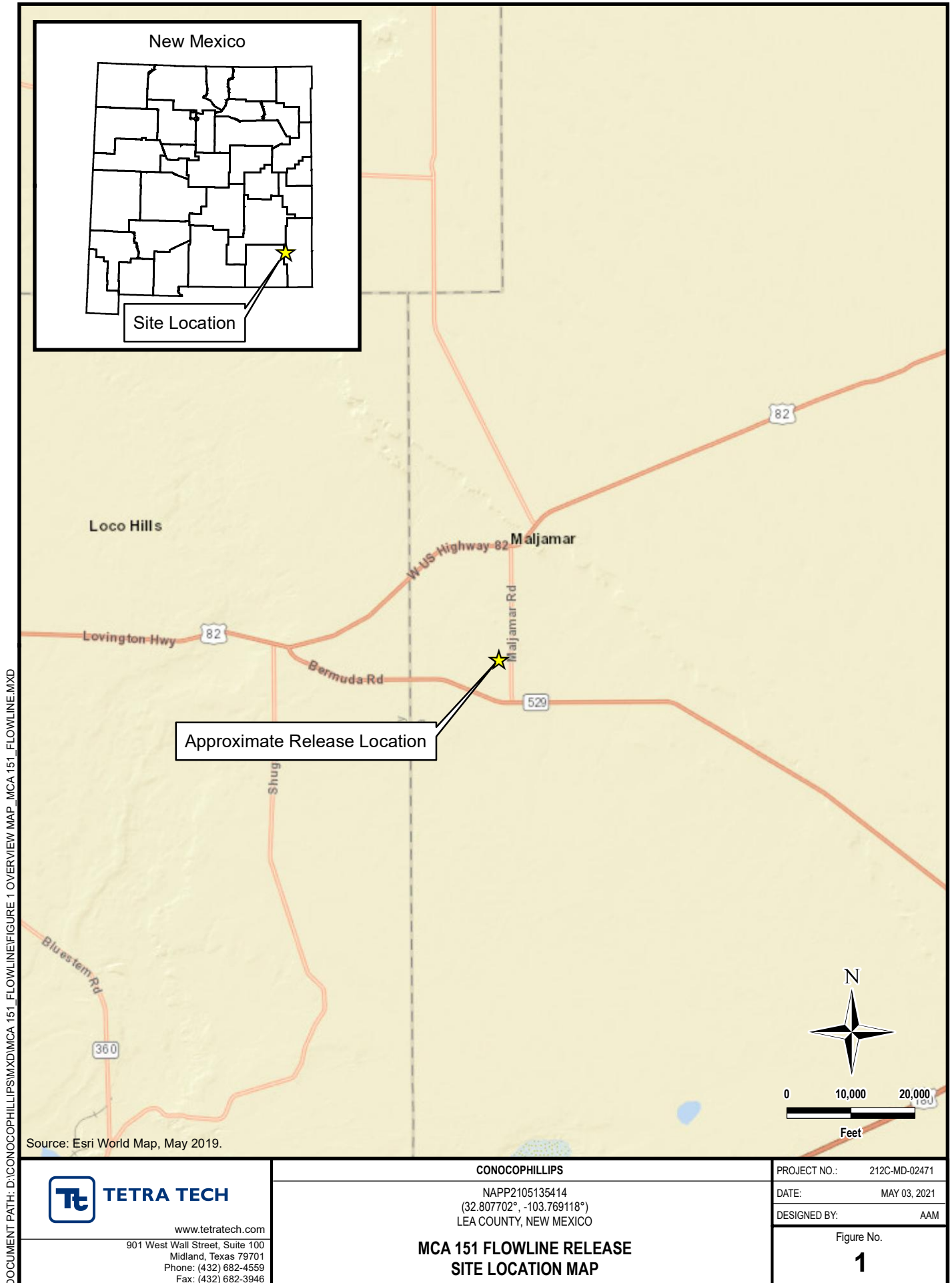
Tables:

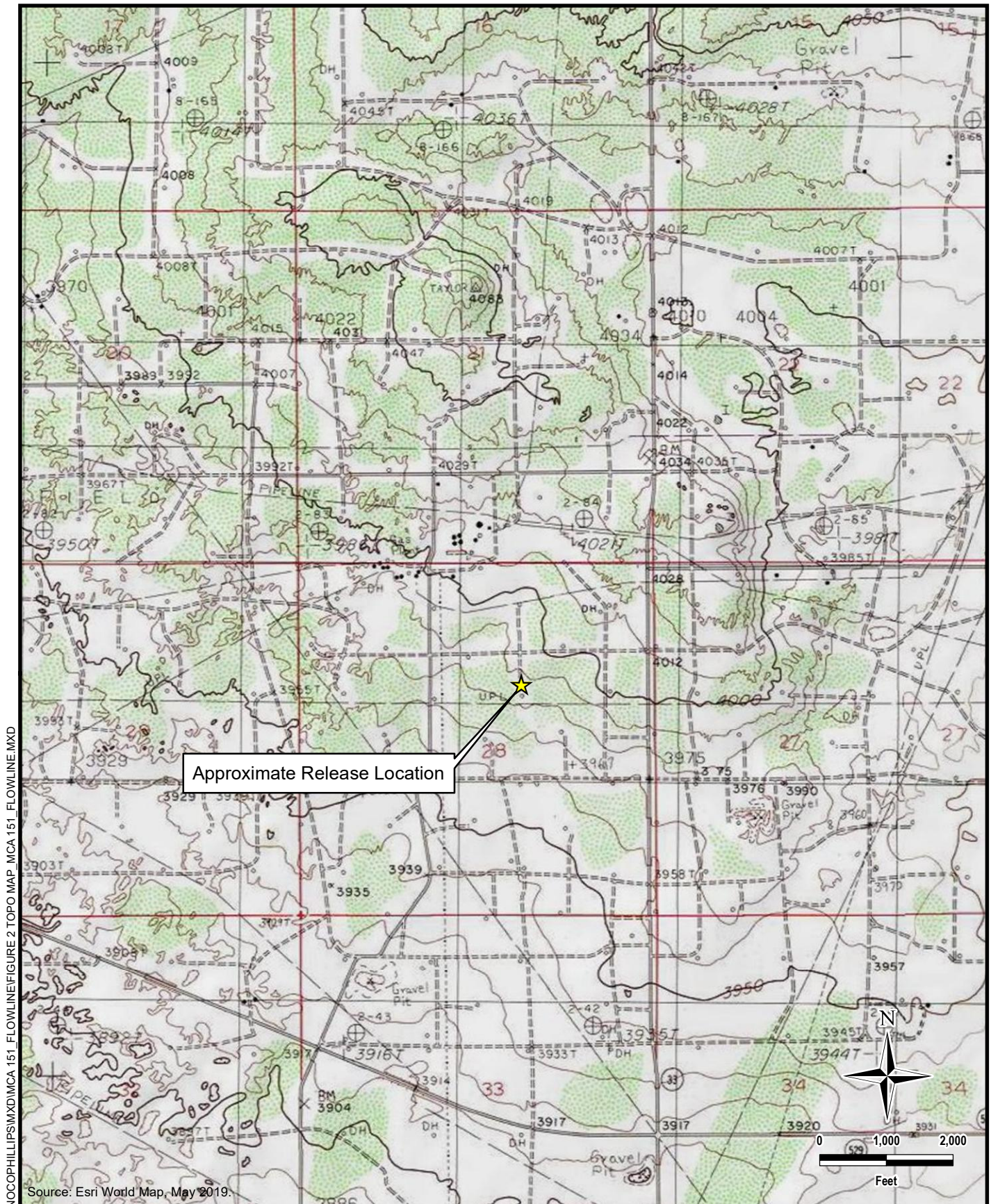
- Table 1 – Summary of Analytical Results – Soil Assessment
- Table 2 – Summary of Analytical Results – Confirmation Sampling

Appendices:

- Appendix A – C-141 Forms
- Appendix B – Site Characterization Data
- Appendix C – Photographic Documentation
- Appendix D – Laboratory Analytical Data – Assessment Sampling
- Appendix E – Laboratory Analytical Data – Confirmation Sampling

FIGURES





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CONOCOPHILLIPS

 NAPP2105135414
 (32.807702°, -103.769118°)
 LEA COUNTY, NEW MEXICO

**MCA 151 FLOWLINE RELEASE
 TOPOGRAPHIC MAP**

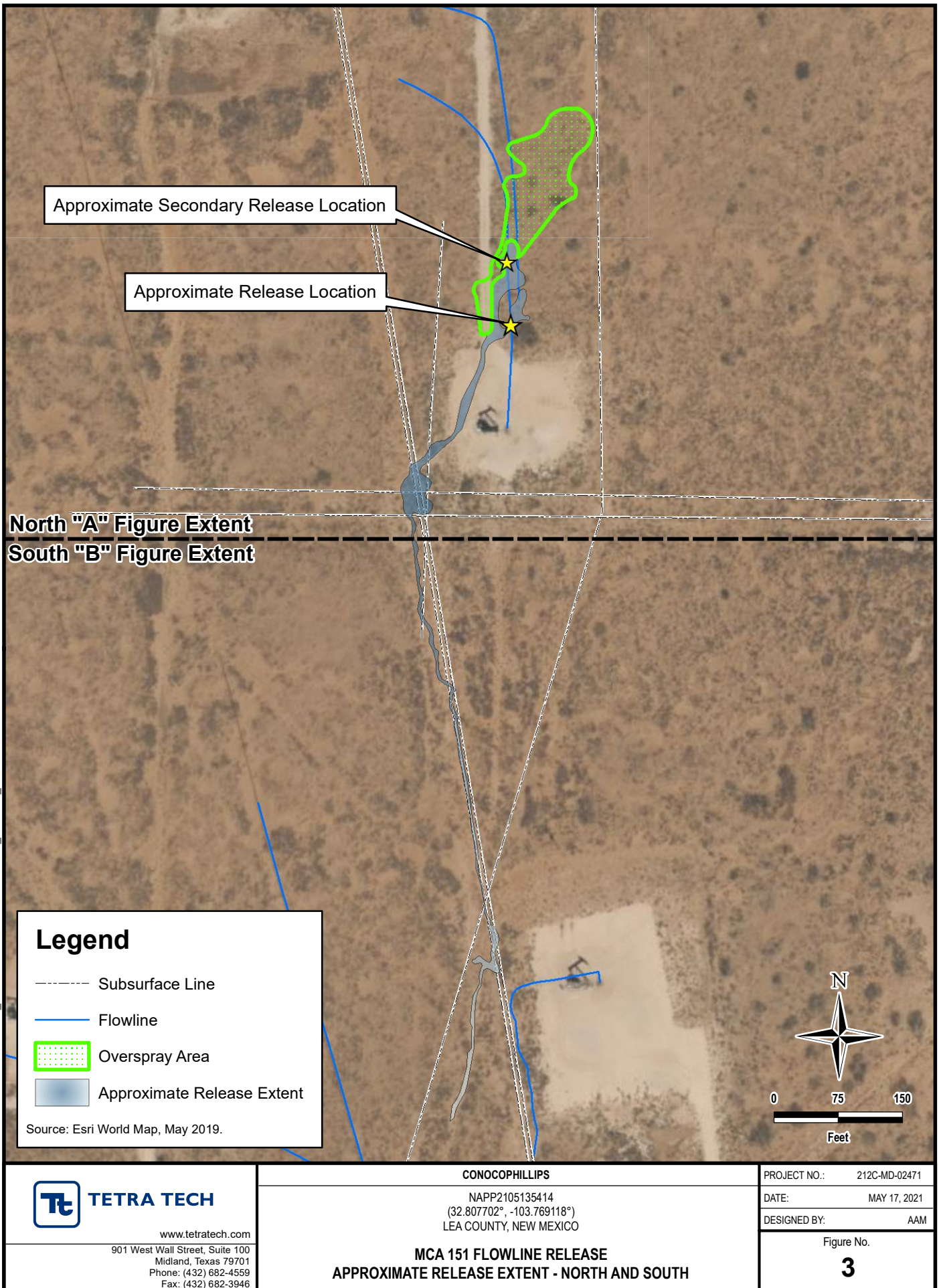
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DATE: MAY 03, 2021

DESIGNED BY: AAM

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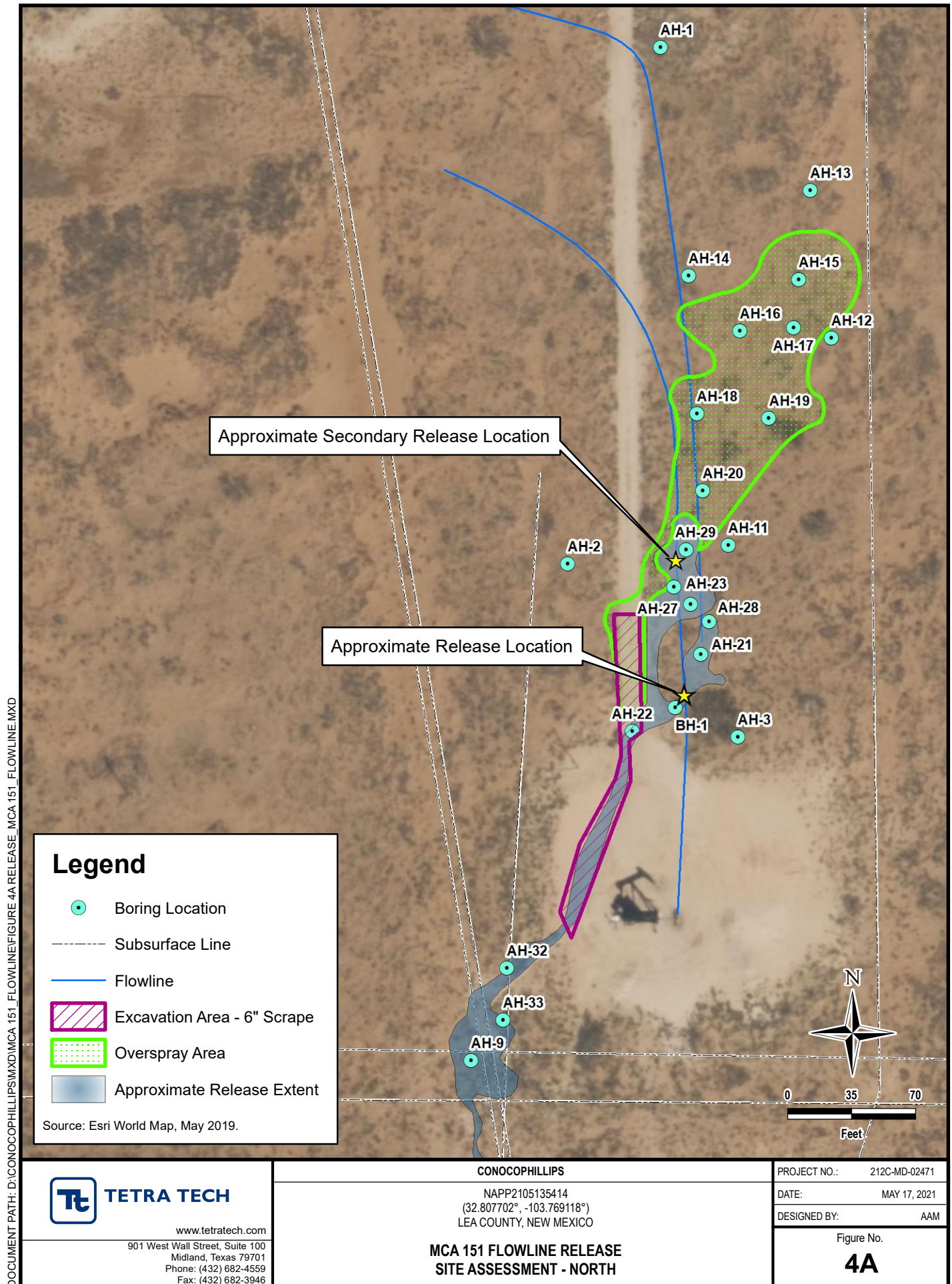


DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\MCA 151_FLOWLINE\FIGURE 3 RELEASE_MCA 151_FLOWLINE.MXD

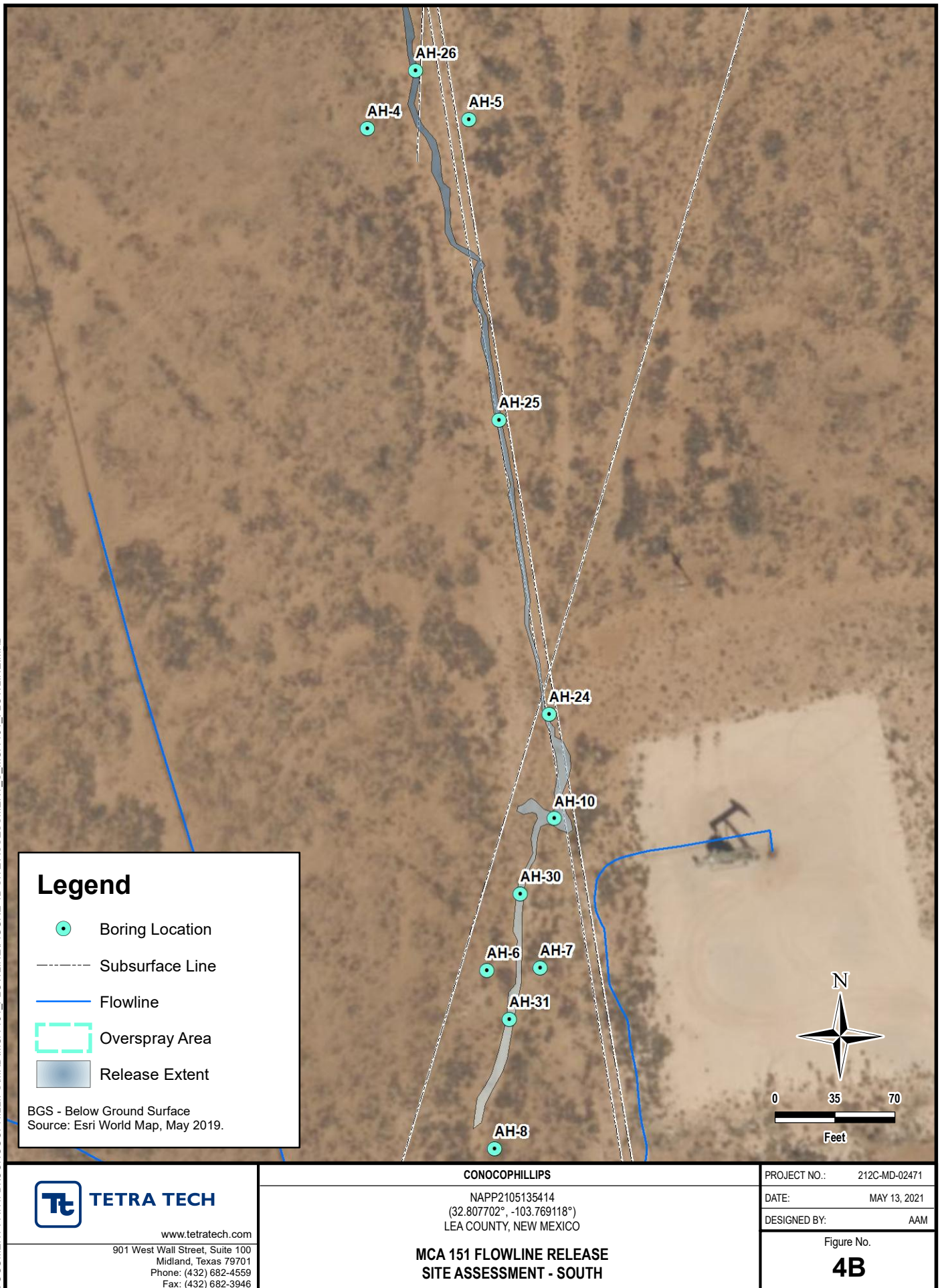
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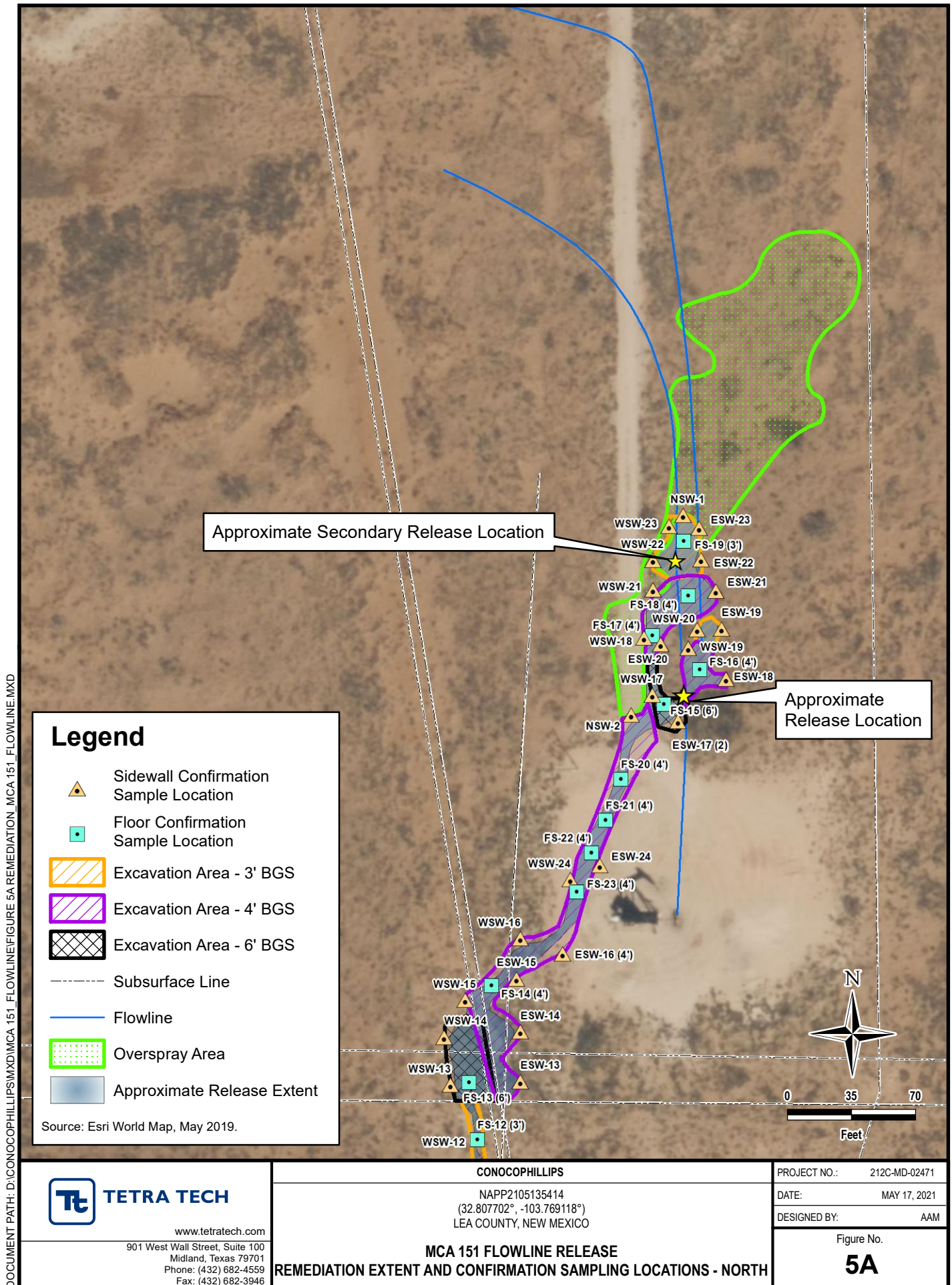
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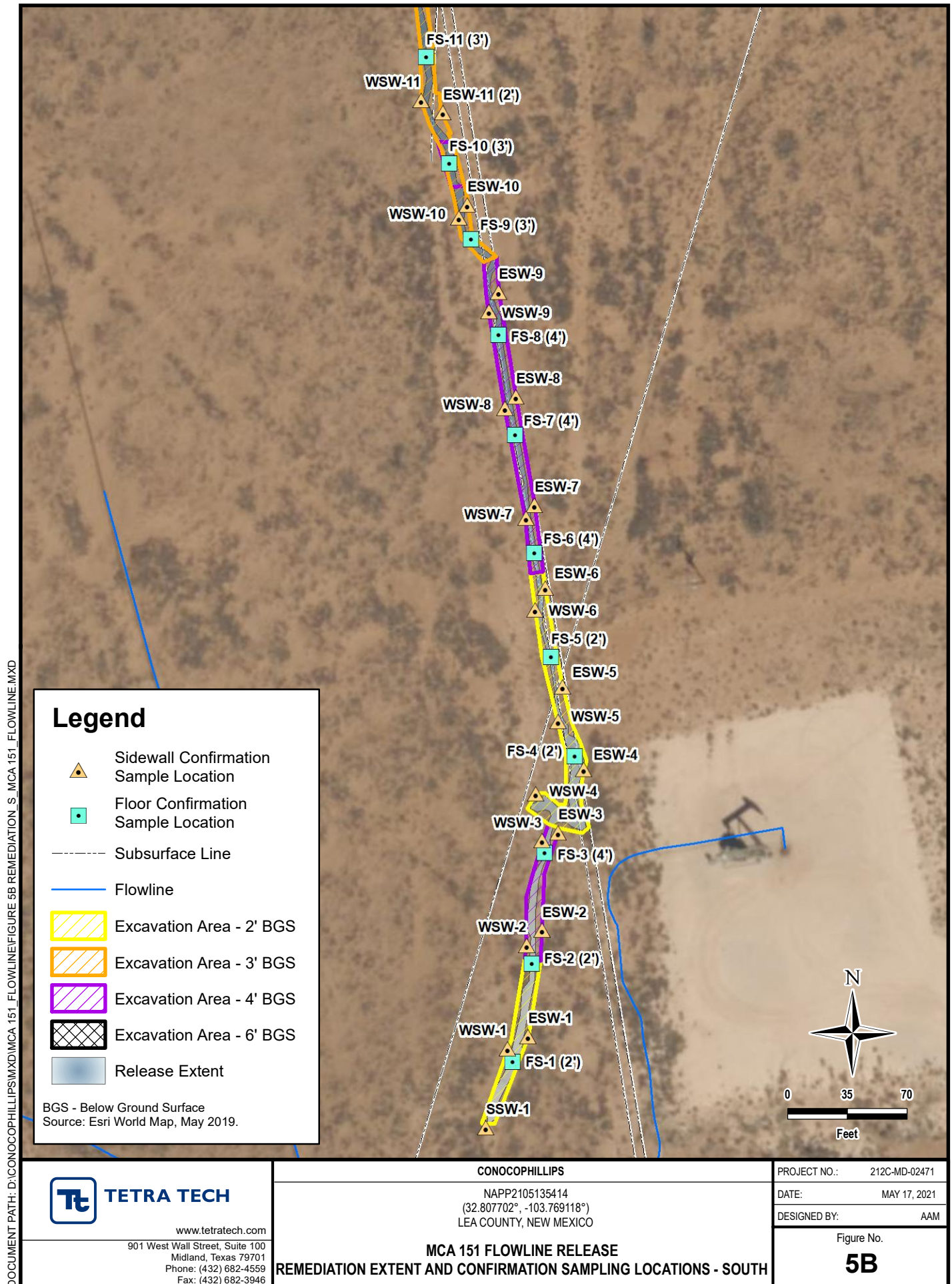
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TABLES

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NAPP2105135414
CONOCOPHILLIPS
MCA 151 FLOWLINE RELEASE
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth Interval | Field Screening Results | | Chloride ^{1,2} | | BTEX ^{3,4} | | | | | | | | | | TPH ^{5,6} | | | | | | |
|-----------|-------------|-----------------------|-------------------------|-----|-------------------------|---|---------------------|---|-----------|---|--------------|---|---------------|---|------------|---|--|---|--|---|--|---|----------------------------|
| | | | Chloride | PID | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | | GRO ⁷ C ₆ - C ₁₀ | | DRO C ₁₀ - C ₂₈ | | ORO C ₂₈ - C ₄₀ | | Total TPH (GRO+DRO+ORO) |
| | | | ft. bgs | ppm | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg |
| AH-1 | 2/26/2021 | 0-1 | 68.7 | - | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-2 | 2/26/2021 | 0-1 | 42.7 | - | < 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-3 | 2/26/2021 | 0-1 | 137 | - | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-4 | 2/26/2021 | 0-1 | 57.5 | - | < 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-5 | 2/26/2021 | 0-1 | 36.5 | - | < 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-6 | 2/26/2021 | 0-1 | 41.7 | - | 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-7 | 2/26/2021 | 0-1 | 27.7 | - | < 16.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-8 | 2/26/2021 | 0-1 | 28.2 | - | < 16.0 | | < 0.050 | | 0.111 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | < 10.0 | | < 10.0 | | - |
| AH-9 | 2/26/2021 | 0-1 | - | - | 192 | | 60.1 | | 415 | | 286 | | 407 | | 1,170 | | 9,460 | | 21,700 | | 4,320 | | 35,480 |
| | | 1-2 | - | - | 1,650 | | 0.446 | | 4.07 | | 1.78 | | 2.55 | | 8.84 | | 62.1 | | 1,930 | | 880 | | 2,872 |
| | | 2-3 | - | - | 3,760 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | 40.6 | | 11.0 | | 51.6 |
| | | 3-4 | - | - | 1,520 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | QR-03 | | 185 | | 47.8 | | 233 |
| | | 4-5 | 47,800 | - | 7,600 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | 100 | | 23.2 | | 123 |
| AH-10 | 2/26/2021 | 5-6 | 334 | - | 880 | | 0.886 | | 12.0 | | 16.3 | | 28.0 | | 57.2 | | 470 | | 3,530 | | 731 | | 4,731 |
| | | 0-1 | - | - | 2,480 | | 18.8 | | 155 | | 142 | | 227 | | 542 | | 5,530 | | 21,100 | | 3,800 | | 30,430 |
| | | 1-2 | - | - | 720 | | < 0.050 | | 0.085 | | 0.290 | | 0.664 | | 1.04 | | 15.9 | | 265 | | 46.6 | | 328 |
| | | 2-3 | - | - | 48.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | 57.5 | | 10.5 | | 68.0 |
| AH-11 | 4/1/2021 | 3-4 | 68.2 | - | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | 63.0 | | 10.5 | | 73.5 |
| | | 0-1 | - | - | < 20.4 | | < 0.00104 | | < 0.00521 | | < 0.00261 | | 0.00321 | J | 0.00321 | | < 0.102 | | < 4.09 | | 10.1 | | 10.1 |
| | | 0-1 | - | - | < 21.4 | | < 0.00114 | | < 0.00572 | | < 0.00286 | | < 0.00743 | | - | | < 0.107 | | < 4.29 | | 10.5 | | 10.5 |
| | | 0-1 | - | - | < 20.3 | | < 0.00103 | | < 0.00514 | | < 0.00257 | | < 0.00668 | | - | | < 0.101 | | < 4.06 | | 5.79 | B | 5.79 |
| AH-14 | 4/1/2021 | 0-1 | - | - | < 20.3 | | < 0.00103 | | < 0.00516 | | < 0.00258 | | < 0.00671 | | - | | < 0.102 | | < 4.06 | | 7.64 | B | 7.64 |
| AH-15 | 4/1/2021 | 0-1 | - | - | < 20.2 | | < 0.00101 | | < 0.00507 | | < 0.00254 | | < 0.00660 | | - | | < 0.102 | | < 4.03 | | 16.9 | | 16.9 |
| AH-16 | 4/1/2021 | 0-1 | - | - | < 23.3 | | < 0.00133 | | < 0.00665 | | 0.00153 | J | 0.00432 | J | 0.00585 | | < 0.118 | | < 4.66 | | 8.04 | B | 8.04 |
| AH-17 | 4/1/2021 | 0-1 | - | - | < 20.2 | | < 0.00102 | | < 0.00508 | | 0.000812 | J | 0.00105 | J | 0.00186 | | < 0.101 | | < 4.03 | | 15.6 | | 15.6 |
| AH-18 | 4/1/2021 | 0-1 | - | - | 10.3 | J | < 0.00101 | | < 0.00504 | | < 0.00252 | | < 0.00656 | | - | | < 0.100 | | 20.3 | | 27.1 | | 47.4 |
| AH-19 | 4/1/2021 | 0-1 | - | - | < 20.3 | | < 0.00103 | | < 0.00515 | | < 0.00258 | | < 0.00670 | | - | | < 0.102 | | < 4.06 | | 5.86 | B | 5.86 |
| AH-20 | 4/1/2021 | 0-1 | - | - | 9.59 | J | < 0.00103 | | < 0.00517 | | < 0.00259 | | < 0.00671 | | - | | < 0.101 | | 8.39 | | 18.4 | | 26.8 |
| | | 1.5-2 | - | - | < 20.4 | | < 0.00104 | | < 0.00519 | | < 0.00260 | | < 0.00675 | | - | | < 0.102 | | 7.58 | | 14.1 | | 21.7 |
| AH-21 | 4/6/2021 | 0-1 | - | - | 1,920 | | < 0.0211 | | 0.299 | | 0.684 | | 2.01 | | 2.99 | | 103 | | 1,990 | | 1,190 | | 3,283 |
| | | 1-2 | - | - | 2,760 | | < 0.00107 | | 0.0160 | | 0.00129 | J | 0.00341 | J | 0.0207 | | 0.0544 | J | 2.47 | J | 3.04 | J | 5.56 |
| | | 2-3 | - | - | 8,590 | | 0.000810 | J | 0.00893 | | 0.00401 | | 0.00895 | | 0.0227 | | < 0.112 | | < 4.49 | | 4.12 | J | 4.12 |
| | | 3-4 | - | - | 4,090 | | 0.00662 | J | 0.00581 | J | 0.0132 | | 0.0370 | | 0.0567 | | 4.98 | | 225 | | 160 | | 390 |
| AH-22 | 4/1/2021 | 0-1 | - | - | 2,240 | | < 0.00106 | | 0.182 | | 2.14 | | 4.74 | | 7.06 | | 266 | | 1,710 | | 1,020 | | 2,996 |
| | | 1.5-2 | - | - | 5,670 | | 0.00199 | | 0.0755 | | 0.138 | | 0.266 | | 0.481 | | 0.0793 | J | 4.09 | J | 9.60 | B | 13.8 |
| | | 2.5-3 | - | - | 3,710 | | < 0.00125 | | < 0.00627 | | 0.00462 | | 0.0133 | | 0.0179 | | 0.0565 | J | 3.37 | J | 13.0 | | 16.4 |
| | | 3.5-4 | - | - | 1,210 | | < 0.00125 | | < 0.00625 | | < 0.00313 | | 0.00422 | J | 0.00422 | | 0.0923 | J | 59.2 | | 45.3 | | 105 |

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NAPP2105135414
CONOCOPHILLIPS
MCA 151 FLOWLINE RELEASE
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth Interval | Field Screening Results | | Chloride ^{1,2} | | BTEX ^{3,4} | | | | | | | | | | TPH ^{5,6} | | | | | | |
|-----------|-------------|-----------------------|-------------------------|-----|-------------------------|----|---------------------|---|-----------|---|--------------|---|---------------|---|------------|---|--|-----|--|-----|--|-----|----------------------------|
| | | | Chloride | PID | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | | GRO ⁷ C ₆ - C ₁₀ | | DRO C ₁₀ - C ₂₈ | | ORO C ₂₈ - C ₄₀ | | Total TPH (GRO+DRO+ORO) |
| | | | ft. bgs | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg |
| AH-23 | 4/6/2021 | 0-1 | - | - | 2,120 | | 1.96 | | 103 | | 98.1 | | 142 | | 345 | | 2,590 | | 4,830 | | 2,350 | | 9,770 |
| | | 1-2 | - | - | 1,770 | | 0.00667 | J | 1.12 | | 2.02 | | 3.20 | | 6.35 | | 76.4 | | 3,080 | | 1,540 | | 4,696 |
| | | 2-3 | - | - | 8,020 | | 0.000976 | J | 0.0189 | | 0.0406 | | 0.0869 | | 0.147 | | 0.751 | | 2.55 | J | 6.59 | | 9.89 |
| | | 3-4 | - | - | 7,880 | | 0.000607 | J | 0.00552 | J | 0.00858 | | 0.167 | | 0.182 | | 0.401 | | 22.8 | | 22.1 | | 45.3 |
| AH-24 | 4/5/2021 | 0.5-1 | - | - | 1,470 | | 0.000949 | J | 0.00322 | J | 0.00446 | | 0.0193 | | 0.0279 | | 0.0416 | J | 9.75 | B | 12.4 | B | 22.2 |
| | | 1.5-2 | - | - | 3,710 | | < 0.00114 | | < 0.00568 | | 0.00171 | J | 0.00608 | J | 0.00779 | | 0.0453 | J | 26.9 | | 32.9 | | 59.8 |
| | | 2.5-3 | - | - | < 20.8 | | 0.00238 | | < 0.00452 | | < 0.00271 | | 0.00155 | J | 0.00393 | | < 0.104 | | 2.77 | B J | 3.29 | B J | 6.06 |
| | | 3.5-4 | - | - | 15.2 | J | < 0.00110 | | < 0.00551 | | < 0.00275 | | 0.00152 | J | 0.00152 | | < 0.105 | | 1.81 | B J | 3.11 | B J | 4.92 |
| AH-25 | 4/5/2021 | 0.5-1 | - | - | 397 | | < 0.0419 | | 1.21 | | 12.4 | | 23.7 | | 37.3 | | 1,250 | | 6,550 | | 3,600 | | 11,400 |
| | | 1.5-2 | - | - | 107 | | < 0.00116 | | < 0.00580 | | 0.00595 | | 0.0172 | | 0.0232 | | 0.240 | | 254 | | 255 | | 509 |
| | | 2.5-3 | - | - | 328 | | < 0.00104 | | 0.00743 | | 0.111 | | 0.257 | | 0.375 | | 1.77 | | 800 | | 744 | | 1,546 |
| | | 3.5-4 | - | - | 81.6 | | < 0.00109 | | < 0.00546 | | 0.00396 | | 0.00966 | | 0.0136 | | 0.358 | | 181 | | 189 | | 370 |
| AH-26 | 4/5/2021 | 0.5-1 | - | - | 384 | | < 0.0432 | | 2.25 | | 25.4 | | 50.3 | | 78.0 | | 1,810 | | 8,610 | | 4,280 | | 14,700 |
| | | 1.5-2 | - | - | 448 | | < 0.00114 | | < 0.00572 | | 0.00212 | J | 0.00720 | J | 0.00932 | | 0.0522 | B J | 13.0 | B | 16.6 | | 29.7 |
| | | 2.5-3 | - | - | 34.8 | | < 0.00111 | | < 0.00556 | | 0.00776 | | 0.0209 | | 0.0287 | | 0.322 | B | 162 | | 140 | | 302 |
| AH-27 | 4/6/2021 | 0-1 | - | - | 2,630 | | 2.39 | | 85.2 | | 98.2 | | 143 | | 329 | | 2,060 | | 6,080 | | 2,910 | | 11,050 |
| | | 1-2 | - | - | 3,390 | | < 0.00109 | | 0.00505 | J | 0.00190 | J | 0.00556 | J | 0.0125 | | 0.934 | | 11.3 | | 11.4 | | 23.6 |
| | | 2-3 | - | - | 9,150 | | 0.00199 | | 0.0227 | | 0.0388 | | 0.0718 | | 0.135 | | 0.641 | | 2.14 | J | 8.20 | | 11.0 |
| | | 3-4 | - | - | 7,780 | | 0.000994 | J | 0.00293 | J | 0.00349 | | 0.00604 | J | 0.0135 | | 0.131 | | 16.9 | | 15.3 | | 32.3 |
| | | 4-5 | - | - | 6,960 | | 0.00610 | | 0.0460 | | 0.0352 | | 0.0492 | | 0.137 | | 0.143 | | 3.30 | J | 8.45 | | 11.9 |
| AH-28 | 4/6/2021 | 0-1 | - | - | 1,270 | | 0.00203 | | 0.04119 | | 0.0350 | | 0.0676 | | 0.146 | | 4.11 | | 71.6 | | 59.8 | | 136 |
| | | 1-2 | - | - | 1,740 | | < 0.00109 | | 0.0384 | | 0.0737 | | 0.167 | | 0.279 | | 0.0633 | J | < 4.17 | | 2.01 | J | 2.07 |
| | | 2-3 | - | - | 5,630 | | < 0.00123 | | 0.00384 | J | 0.00261 | J | 0.00929 | | 0.0157 | | 0.178 | | < 4.45 | | 14.6 | | 14.8 |
| | | 3-4 | - | - | 53.3 | | < 0.00120 | | 0.00222 | J | 0.00132 | J | 0.00409 | J | 0.00763 | | < 0.110 | | < 4.40 | | 6.23 | | 6.23 |
| | | 4-5 | - | - | 10.6 | J | < 0.00112 | | 0.00224 | J | < 0.00280 | | 0.00134 | J | 0.00358 | | < 0.106 | | 11.0 | | 11.0 | | 22.0 |
| AH-29 | 4/6/2021 | 0-1 | - | - | 33.7 | | < 0.00104 | | 0.00164 | J | < 0.00259 | | < 0.00673 | | 0.00164 | | < 0.102 | | 26.4 | | 40.3 | | 66.7 |
| | | 1-2 | - | - | 11.2 | J | < 0.00103 | | < 0.00517 | | < 0.00259 | | < 0.00672 | | - | | 0.0270 | J | 91.4 | | 88.8 | | 180 |
| AH-30 | 4/7/2021 | 0.5-1 | - | - | 1,260 | J6 | < 0.0224 | | 3.11 | | 12.5 | | 22.8 | | 38.4 | | 500 | | 3,080 | | 1,610 | | 5,190 |
| | | 1-2 | - | - | 1,190 | | < 0.00108 | | 0.00251 | J | 0.00616 | | 0.0132 | | 0.0219 | | 0.0743 | J | 4.66 | | 4.23 | B | 8.96 |
| | | 2-3 | - | - | 2,420 | | 0.000857 | J | 0.0310 | | 0.0704 | | 0.193 | | 0.295 | | 0.355 | | 3.55 | J | 10.0 | B | 13.9 |
| AH-31 | 4/7/2021 | 0.5-1 | - | - | 39.5 | | 0.0170 | J | 3.38 | | 19.0 | | 37.5 | | 59.9 | | 1,230 | | 11,700 | | 8,060 | | 20,990 |
| | | 1-2 | - | - | 35.6 | | < 0.00111 | | 0.00363 | J | 0.0125 | | 0.0280 | | 0.0441 | | 0.0697 | J | 71.4 | | 46.3 | | 118 |
| AH-32 | 4/7/2021 | 0.5-1 | - | - | 3,570 | | 11.6 | | 324 | | 233 | | 160 | | 729 | | 4,830 | | 14,600 | | 10,300 | | 29,730 |
| | | 1-2 | - | - | 3,850 | | 0.810 | | 19.1 | | 10.9 | | 13.9 | | 44.7 | | 398 | | 1,320 | | 1,600 | | 3,318 |
| | | 2-3 | - | - | 2,490 | | < 0.00112 | | 0.00264 | J | 0.00150 | J | 0.00112 | J | 0.00526 | | < 0.106 | | 3.93 | J | 3.15 | B J | 7.08 |
| | | 3-4 | - | - | 5,000 | | 0.00187 | | 0.00685 | | 0.00463 | | 0.00399 | J | 0.0173 | | 0.0623 | J | 4.19 | J | 5.32 | B J | 9.57 |
| AH-33 | 4/7/2021 | 0.5-1 | - | - | 1,030 | | 7.84 | | 237 | | 191 | | 268 | | 704 | | 3,750 | | 9,540 | | 5,930 | | 19,220 |
| | | 1-2 | - | - | 826 | | 19.4 | | 388 | | 255 | | 345 | | 1,007 | | 4,470 | | 9,520 | | 6,250 | | 20,240 |
| | | 2-3 | - | - | 675 | | 0.00164 | | 0.0159 | | 0.0111 | | 0.0181 | | 0.0467 | | 0.445 | | 7.97 | | 6.43 | B | 14.8 |
| | | 3-4 | - | - | 10,400 | | 0.00184 | | 0.0202 | | 0.0270 | | 0.0447 | | 0.0937 | | 0.816 | | 73.6 | | 58.3 | | 133 |

TABLE 1
SUMMARY OF ANALYTICAL RESULTS
SOIL ASSESSMENT - NAPP2105135414
CONOCOPHILLIPS
MCA 151 FLOWLINE RELEASE
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth Interval | Field Screening Results | | Chloride ^{1,2} | | BTEX ^{3,4} | | | | | | | | | | TPH ^{5,6} | | | | | | |
|-----------|-------------|-----------------------|-------------------------|-----|-------------------------|---|---------------------|-------|---------|-------|--------------|-------|---------------|-------|------------|---|--------------------|-------|-------|-------|--------|---|----------------------------|
| | | | Chloride | PID | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | | GRO ⁷ | | DRO | | ORO | | Total TPH (GRO+DRO+ORO) |
| | | | ft. bgs | ppm | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg |
| BH-1 | 3/2/2021 | 0-1 | - | - | 2,320 | | 67.6 | QM-07 | 350 | QM-07 | 194 | QM-07 | 270 | QM-07 | 881 | | 6,620 | QM-07 | 9,350 | QM-07 | 1,040 | | 17,010 |
| | | 1-2 | - | - | 2,760 | | 67.5 | | 353 | | 196 | | 276 | | 892 | | 6,080 | | 8,710 | | 1,010 | | 15,800 |
| | | 2-3 | - | - | 8,880 | | 0.066 | | 0.233 | | 0.127 | | 0.197 | | 0.624 | | < 10.0 | | 137 | | 19.3 | | 156 |
| | | 3-4 | - | - | 10,400 | | < 0.050 | | 0.181 | | 0.107 | | < 0.150 | | < 0.300 | | < 10.0 | | 89.5 | | < 10.0 | | 89.5 |
| | | 4-5 | - | - | 12,000 | | 0.308 | | 3.11 | | 3.76 | | 6.34 | | 13.5 | | 88.9 | | 559 | | 75.9 | | 724 |
| | | 6-7 | - | - | 2,520 | | < 0.050 | | 0.081 | | 0.270 | | 0.636 | | 0.987 | | < 10.0 | | 201 | | 31.0 | | 232 |
| | | 9-10 | - | - | 560 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | 128 | | 15.7 | | 144 |
| | | 14-15 | - | - | 192 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | 79.3 | | < 10.0 | | 79.3 |
| | | 19-20 | - | - | 48.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | | < 10.0 | | 18.2 | | < 10.0 | | 18.2 |

NOTES:

ft. Feet
bgs Below ground surface
ppm Parts per million
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
ORO Oil range organics
1 EPA Method SM4500CI-B / 300.0
2 EPA Method 300.0
3 EPA Method 8021B
4 EPA Method 8260B
5 EPA Method 8015M
6 EPA Method 8015
7 EPA Method 8015D/GRO

Bold and italicized values indicate exceedance of proposed RRALs

Shaded rows indicate intervals proposed for excavation.

QUALIFIERS:

QM-07 The spike recovery was outside the acceptance limits for the MS and/or MSD.
The batch was accepted based on acceptable limits.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference.
QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
B The same analyte is found in the associated blank.
J The identification of the analyte is acceptable; the reported value is an estimate.
J6 The sample matrix interfered with the ability to make any accurate determination; spike value is low.

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - NAPP2105135414
CONOCOPHILLIPS
MCA 151 FLOWLINE RELEASE
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth | Field Screening Results | | Chloride ¹ | | BTEX ² | | | | | | | | | | TPH ³ | | | | | | Total TPH (GRO+DRO+ORO) |
|--------------|-------------|--------------|-------------------------|-------|-----------------------|-------|-------------------|-------|-----------|-------|--------------|-------|---------------|-------|------------|------------------|----------------------------------|--------|-----------------------------------|--------|-----------------------------------|-------|----------------------------|
| | | | Chloride | PID | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | GRO ⁴ | | DRO | | ORO | | | |
| | | | | | ppm | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | C ₃ - C ₁₀ | Q | C ₁₀ - C ₂₈ | Q | C ₂₈ - C ₄₀ | Q | |
| FS-1 (2') | 4/13/2021 | 2 | - | - | < 20.8 | | 0.000539 | J | 0.00189 | J | 0.00189 | J | 0.00992 | | 0.0142 | 0.0569 | J | 21.1 | | 25.7 | | 46.9 | |
| FS-2 (2') | 4/13/2021 | 2 | - | - | < 20.8 | | < 0.00108 | | < 0.00538 | | 0.00418 | | 0.0102 | | 0.0144 | 0.0233 | J | 15.2 | | 29.2 | | 44.4 | |
| FS-3 (4') | 4/20/2021 | 4 | 97.0 | 4.3 | 30.4 | | < 0.00113 | | < 0.00563 | | < 0.00281 | | 0.00274 | J | 0.00274 | < 0.106 | | < 4.25 | | 2.37 | B J | 2.37 | |
| FS-4 (2') | 4/14/2021 | 2 | - | - | 11.3 | J | < 0.00106 | | < 0.00530 | | < 0.00265 | | 0.00501 | J | 0.00501 | < 0.103 | | < 4.12 | | 5.24 | | 5.24 | |
| FS-5 (2') | 4/14/2021 | 2 | - | - | < 20.7 | | < 0.00107 | | < 0.00536 | | 0.000928 | J | 0.00501 | J | 0.00594 | < 0.104 | | 2.36 | J | 3.57 | J | 5.93 | |
| FS-6 (4') | 4/14/2021 | 4 | - | - | 12.2 | J | < 0.00109 | | < 0.00547 | | < 0.00274 | | 0.00242 | J | 0.00242 | < 0.105 | | 1.95 | J | 3.89 | J | 5.84 | |
| FS-7 (4') | 4/20/2021 | 4 | 48.6 | 1.5 | < 21.0 | | < 0.00110 | | < 0.00549 | | < 0.00275 | | < 0.00714 | | - | < 0.105 | | 2.42 | J | 3.43 | J | 5.85 | |
| FS-8 (4') | 4/20/2021 | 4 | 46.8 | 4.5 | < 21.2 | | < 0.00112 | | < 0.00560 | | 0.000867 | J | 0.00302 | J | 0.00389 | < 0.106 | | 5.19 | | 6.89 | | 12.1 | |
| FS-9 (3') | 4/20/2021 | 3 | 113 | 5.0 | 26.1 | | < 0.00113 | | < 0.00567 | | < 0.00284 | | < 0.00737 | | - | < 0.107 | | 20.0 | | 28.9 | | 48.9 | |
| FS-10 (3') | 4/20/2021 | 3 | 143 | 7.0 | 102 | | < 0.00107 | | < 0.00537 | | < 0.00268 | | 0.00217 | J | 0.00217 | < 0.104 | | 54.1 | | 65.8 | | 120 | |
| FS-10 (4')* | 4/27/2021 | 4 | 263 | 6.8 | 180 | | < 0.00113 | | 0.00175 | J | 0.00988 | | 0.0423 | | 0.0539 | 0.0421 | J | 4.19 | B J | 2.75 | B J | 6.98 | |
| FS-11 (3') | 4/20/2021 | 3 | 57.2 | 6.7 | 16.3 | J | < 0.00115 | | < 0.00575 | | 0.00218 | J | 0.00586 | J | 0.00804 | < 0.108 | | 3.01 | J | 5.90 | | 8.91 | |
| FS-12 (3') | 4/20/2021 | 3 | 105 | 4.1 | 60.6 | | < 0.00110 | | < 0.00548 | | < 0.00274 | | 0.00281 | J | 0.00281 | < 0.106 | | 8.57 | | 12.0 | | 20.6 | |
| FS-13 (6') | 4/21/2021 | 6 | 62.7 | 0.1 | 9.94 | J | < 0.00113 | | < 0.00565 | | < 0.00282 | | < 0.00734 | | - | < 0.106 | | < 4.26 | | 2.34 | B J | 2.34 | |
| FS-14 (4') | 4/21/2021 | 4 | 131 | 2.5 | 17.5 | J | < 0.00110 | | < 0.00551 | | < 0.00276 | | < 0.00717 | | - | < 0.105 | | 223 | | 454 | | 677 | |
| FS-15 (6') | 4/27/2021 | 6 | 720 | 3.2 | 958 | | 0.00140 | | 0.00651 | | 0.00347 | | 0.0145 | | 0.0259 | < 0.112 | | < 4.48 | | < 4.48 | | - | |
| FS-16 (4') | 5/3/2021 | 4 | 118 | 14.4 | 11.9 | J | < 0.00116 | | < 0.00582 | | 0.00166 | J | 0.00426 | J | 0.00592 | 0.0421 | J | 12.1 | | 17.7 | | 29.8 | |
| FS-17 (4') | 5/3/2021 | 4 | 66.3 | 12.1 | < 21.6 | | < 0.00116 | | < 0.00578 | | < 0.00289 | | < 0.00752 | | - | < 0.108 | | < 4.31 | | 4.44 | | 4.44 | |
| FS-18 (4') | 5/3/2021 | 4 | 5240 | 19.8 | 4980 | | < 0.00129 | | 0.00336 | J | 0.00349 | | 0.0135 | | 0.0204 | 0.0342 | J | 5.84 | | 6.99 | | 12.9 | |
| FS-19 (3') | 5/3/2021 | 3 | 44.9 | 7.8 | < 20.9 | | < 0.00109 | | < 0.00545 | | < 0.00272 | | < 0.00708 | | - | < 0.104 | | < 4.18 | | 4.80 | | 4.80 | |
| FS-20 (2') | 5/5/2021 | 2 | 4840 | 41.3 | 5310 | | < 0.00127 | | < 0.00636 | | < 0.00318 | | 0.00131 | J | 0.00131 | 0.0442 | J | < 4.54 | | 2.69 | J | 2.73 | |
| FS-20 (4')* | 5/5/2021 | 4 | 6610 | 30.2 | 7680 | | < 0.00133 | | < 0.00667 | | < 0.00334 | | < 0.00867 | | - | < 0.117 | | 3.49 | J | 2.18 | J | 5.67 | |
| FS-21 (2') | 5/5/2021 | 2 | 144 | 9.4 | 49.2 | | < 0.00107 | | < 0.00536 | | < 0.00268 | | < 0.00696 | | - | < 0.105 | | 25.2 | | 22.8 | | 48.0 | |
| FS-21 (4')* | 5/5/2021 | 4 | 461 | 3.4 | 132 | | < 0.00119 | | < 0.00594 | | < 0.00297 | | < 0.00772 | | - | < 0.109 | | 3.53 | J | 5.61 | | 9.14 | |
| FS-22 (2') | 5/5/2021 | 2 | 8640 | 156.5 | 7590 | | < 0.00127 | | < 0.00634 | | < 0.00317 | | 0.00165 | J | 0.00165 | 0.0307 | J | 8.22 | | 5.35 | | 13.6 | |
| FS-22 (4')* | 5/5/2021 | 4 | 121 | 7.5 | < 21.7 | | < 0.00117 | | < 0.00583 | | < 0.00291 | | < 0.00757 | | - | < 0.108 | | 1.75 | J | 2.04 | J | 3.79 | |
| FS-23 (2') | 5/5/2021 | 2 | 110 | 5.1 | < 20.7 | | < 0.00107 | | < 0.00534 | | < 0.00267 | | < 0.00694 | | - | 0.0505 | B J | 3.48 | J | 4.12 | J | 7.65 | |
| FS-24 (4') | 5/5/2021 | 4 | - | - | 38.0 | | < 0.00103 | J3 | < 0.00515 | J3 | < 0.00258 | | < 0.00670 | | - | 0.049 | B J | < 4.06 | | 0.920 | J | 0.969 | |
| NSW-1 | 5/3/2021 | - | 45.5 | 2.4 | < 20.7 | | < 0.00107 | | < 0.00533 | | < 0.00267 | | < 0.00693 | | - | < 0.103 | | < 4.13 | | 4.43 | | 4.43 | |
| NSW-2 | 5/11/2021 | - | 88.9 | 1.1 | 34.2 | | < 0.00103 | | < 0.00517 | | < 0.00259 | | 0.00155 | J | - | < 0.102 | | < 4.07 | | 2.66 | B J | 2.66 | |
| ESW-1 | 4/13/2021 | - | - | - | < 20.3 | | < 0.00103 | | < 0.00516 | | < 0.00258 | | < 0.00670 | | - | < 0.102 | | < 4.06 | | 10.4 | | 10.4 | |
| ESW-2 | 4/13/2021 | - | - | - | < 20.2 | | < 0.00102 | | 0.00189 | J | 0.00200 | J | 0.00733 | | 0.0112 | 0.0601 | J | < 4.05 | | 4.25 | | 4.31 | |
| ESW-3 | 4/13/2021 | - | - | - | < 20.3 | | < 0.00103 | | 0.00144 | J | 0.00378 | | 0.00962 | | 0.0148 | 0.0949 | J | 3.74 | J | 10.1 | | 13.9 | |
| ESW-4 | 4/14/2021 | - | - | - | < 20.4 | | < 0.00104 | | < 0.00518 | | 0.000932 | J | 0.00331 | J | 0.00942 | < 0.102 | | < 4.07 | | 2.45 | J | 2.45 | |
| ESW-5 | 4/14/2021 | - | - | - | < 20.4 | | < 0.00104 | | < 0.00518 | | < 0.00259 | | 0.00147 | J | 0.00147 | < 0.102 | | < 4.07 | | 4.51 | | 4.51 | |
| ESW-6 | 4/14/2021 | - | - | - | < 20.6 | | < 0.00106 | | < 0.00531 | | 0.000902 | J | 0.00287 | J | 0.00377 | < 0.103 | | < 4.12 | | 7.49 | | 7.49 | |
| ESW-7 | 4/14/2021 | - | - | - | < 20.7 | | < 0.00107 | | < 0.00534 | | < 0.00267 | | 0.00129 | J | 0.00129 | < 0.103 | | 3.09 | J | 7.15 | | 10.2 | |
| ESW-8 | 4/20/2021 | - | 37.8 | 2.8 | < 20.3 | | < 0.00103 | | < 0.00517 | | < 0.00259 | | < 0.00673 | | - | < 0.102 | | 4.66 | | 6.92 | | 11.6 | |
| ESW-9 | 4/20/2021 | - | 24.7 | 4.2 | < 20.4 | | < 0.00104 | | < 0.00522 | | < 0.00261 | | < 0.00679 | | - | < 0.102 | | 1.66 | J | 6.35 | | 8.01 | |
| ESW-10 | 4/20/2021 | - | 61.1 | 3.5 | 23.2 | | < 0.00103 | | < 0.00515 | | < 0.00257 | | < 0.00669 | | - | < 0.101 | | < 4.06 | | 5.21 | | 5.21 | |
| ESW-11 | 4/20/2021 | - | 39.9 | 37.3 | < 20.6 | | < 0.00106 | | < 0.00528 | | 0.00274 | | 0.0145 | | 0.0172 | 0.0908 | J | 81.0 | | 251 | | 332 | |
| ESW-11 (2')* | 4/21/2021 | - | 67.1 | 0.2 | < 20.5 | | < 0.00105 | | < 0.00525 | | < 0.00262 | | < 0.00682 | | - | < 0.102 | | < 4.10 | | 3.25 | B J | 3.25 | |
| ESW-12 | 4/20/2021 | - | 70.3 | 17.8 | 10.3 | J | < 0.00105 | | < 0.00523 | | < 0.00262 | | < 0.00680 | | - | < 0.102 | | 16.5 | | 30.4 | | 46.9 | |
| ESW-12 (2')* | 4/21/2021 | - | 104 | 1.1 | 14.9 | J | < 0.00106 | | < 0.00531 | | < 0.00266 | | < 0.00691 | | - | < 0.103 | | 19.1 | | 43.9 | | 63.0 | |
| ESW-13 | 4/21/2021 | - | 74.6 | 17.9 | 13.9 | J | < 0.00102 | | < 0.00508 | | 0.00196 | J | 0.00436 | J | 0.00632 | < 0.101 | | 16.2 | | 15.4 | | 31.6 | |
| ESW-14 | 4/21/2021 | - | 29.5 | 1.4 | 34.0 | | < 0.00139 | | < 0.00697 | | < 0.00349 | | < 0.00906 | | - | 0.0363 | J | < 4.79 | | 2.08 | B J | 2.12 | |
| ESW-15 | 4/21/2021 | - | 31.8 | 1.5 | 11.0 | J | < 0.00109 | | < 0.00544 | | < 0.00272 | | < 0.00707 | | - | < 0.104 | | 1.81 | J | 5.25 | B | 7.06 | |
| ESW-16 | 4/21/2021 | - | 176 | 5.8 | 53.5 | | 0.000781 | J | < 0.00521 | | 0.00321 | | 0.0270 | | 0.0310 | 0.0686 | J | 49.2 | | 261 | | 310 | |
| ESW-16 (4') | 4/27/2021 | - | 439 | 2.9 | 91.8 | | 0.000573 | J | < 0.00521 | | 0.00469 | | 0.0409 | | 0.0462 | < 0.102 | | 2.57 | B J | 3.92 | B J | 6.49 | |

TABLE 2
SUMMARY OF ANALYTICAL RESULTS
SOIL REMEDIATION - NAPP2105135414
CONOCOPHILLIPS
MCA 151 FLOWLINE RELEASE
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth | Field Screening Results | | Chloride ¹ | | BTEX ² | | | | | | | | | | TPH ³ | | | | | | Total TPH (GRO+DRO+ORO) |
|--------------|-------------|--------------|-------------------------|------|-----------------------|---|-------------------|---|-----------|---|--------------|---|---------------|---|------------|----------------------------------|------------------|-----------------------------------|---|-----------------------------------|-----|-------|----------------------------|
| | | | Chloride | PID | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | GRO ⁴ | | DRO | | ORO | | | |
| | | | | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | C ₃ - C ₁₀ | Q | C ₁₀ - C ₂₈ | Q | C ₂₈ - C ₄₀ | Q | mg/kg | |
| ESW-17 | 5/3/2021 | - | 1460 | 4.1 | 694 | | < 0.00109 | | < 0.00543 | | < 0.00271 | | < 0.00706 | | - | 0.0366 | J | < 4.17 | | 3.47 | J | 3.51 | |
| ESW-17 (2')* | 5/11/2021 | - | 21.1 | 0.4 | < 20.3 | | < 0.00103 | | < 0.00515 | | < 0.00257 | | < 0.00669 | | - | < 0.101 | | < 4.06 | | 3.62 | B J | 3.62 | |
| ESW-18 | 5/3/2021 | - | 88.4 | 7.6 | 27.2 | | < 0.00112 | | < 0.00559 | | < 0.00280 | | < 0.00726 | | - | 0.0450 | J | < 4.21 | | 4.59 | | 4.64 | |
| ESW-19 | 5/3/2021 | - | 23.6 | 3.7 | < 21.1 | | < 0.00111 | | < 0.00554 | | < 0.00277 | | < 0.00721 | | - | < 0.105 | | < 4.22 | | 3.11 | J | 3.11 | |
| ESW-20 | 5/3/2021 | - | 42.0 | 3.1 | 12.6 | J | < 0.00109 | | < 0.00547 | | < 0.00274 | | < 0.00712 | | - | < 0.106 | | < 4.19 | | 4.37 | | 4.37 | |
| ESW-21 | 5/3/2021 | - | 64.6 | 1.8 | 10.0 | J | < 0.00107 | | < 0.00535 | | < 0.00268 | | < 0.00696 | | - | < 0.104 | | < 4.14 | | 3.60 | J | 3.60 | |
| ESW-22 | 5/3/2021 | - | 82.9 | 1.1 | 12.1 | J | < 0.00110 | | < 0.00551 | | 0.00154 | J | < 0.00716 | | - | < 0.105 | | < 4.20 | | 2.78 | J | 2.78 | |
| ESW-23 | 5/3/2021 | - | 91.6 | 3.4 | 10.2 | J | < 0.00110 | | < 0.00548 | | < 0.00274 | | < 0.00713 | | - | < 0.105 | | < 4.19 | | 8.66 | | 8.66 | |
| ESW-24 | 5/5/2021 | - | 47.6 | 7.8 | < 20.6 | | < 0.00106 | | < 0.00530 | | < 0.00265 | | < 0.00689 | | - | < 0.103 | | < 4.12 | | 0.509 | J | 0.509 | |
| SSW-1 | 4/13/2021 | - | - | - | < 20.3 | | < 0.00103 | | < 0.00514 | | < 0.00257 | | < 0.00668 | | - | < 0.101 | | < 4.06 | | 2.94 | J | 2.94 | |
| WSW-1 | 4/13/2021 | - | - | - | < 20.3 | | < 0.00103 | | < 0.00513 | | < 0.00257 | | < 0.00667 | | - | < 0.101 | | < 4.05 | | 3.65 | J | 3.65 | |
| WSW-2 | 4/13/2021 | - | - | - | < 20.5 | | < 0.00105 | | < 0.00525 | | < 0.00263 | | 0.00541 | J | 0.00541 | 0.0593 | J | < 4.10 | | 8.30 | | 8.36 | |
| WSW-3 | 4/13/2021 | - | - | - | < 20.5 | | < 0.00105 | | < 0.00523 | | 0.00152 | J | 0.00413 | J | 0.00565 | < 0.102 | | < 4.09 | | 3.36 | J | 3.36 | |
| WSW-4 | 4/14/2021 | - | - | - | < 20.3 | | < 0.00103 | | < 0.00513 | | < 0.00257 | | < 0.00667 | | - | < 0.101 | | < 4.05 | | 3.89 | | 3.89 | |
| WSW-5 | 4/14/2021 | - | - | - | 10.6 | J | < 0.00102 | | < 0.00510 | | < 0.00255 | | < 0.00663 | | - | < 0.101 | | 1.66 | J | 5.78 | | 7.44 | |
| WSW-6 | 4/14/2021 | - | - | - | 15.8 | J | < 0.00112 | | < 0.00560 | | 0.00112 | J | 0.00397 | J | 0.00509 | < 0.106 | | 2.90 | J | 7.17 | | 10.1 | |
| WSW-7 | 4/14/2021 | - | - | - | < 20.7 | | < 0.00107 | | < 0.00533 | | < 0.00266 | | < 0.00693 | | - | < 0.103 | | 2.27 | J | 6.9 | | 9.17 | |
| WSW-8 | 4/20/2021 | - | 21.8 | 2.2 | < 20.2 | | < 0.00102 | | < 0.00511 | | 0.00107 | J | 0.00278 | J | 0.00385 | < 0.101 | | 1.79 | J | 4.71 | | 6.50 | |
| WSW-9 | 4/20/2021 | - | 49.2 | 5.9 | < 20.3 | | < 0.00103 | | < 0.00514 | | < 0.00257 | | < 0.00668 | | - | < 0.101 | | < 4.06 | | 3.53 | J | 3.53 | |
| WSW-10 | 4/20/2021 | - | 37.7 | 5.0 | 10.3 | J | < 0.00103 | | < 0.00513 | | < 0.00256 | | < 0.00667 | | - | < 0.101 | | 1.87 | J | 4.30 | | 6.17 | |
| WSW-11 | 4/20/2021 | - | 36.1 | 2.9 | 20.5 | | < 0.00105 | | < 0.00523 | | < 0.00261 | | 0.00125 | J | 0.00125 | < 0.102 | | 1.73 | J | 3.57 | J | 5.30 | |
| WSW-12 | 4/20/2021 | - | 28.9 | 3.6 | < 22.6 | | < 0.00126 | | < 0.00630 | | < 0.00315 | | 0.00139 | J | 0.00139 | 0.0348 | J | < 4.52 | | 2.57 | J | 2.60 | |
| WSW-13 | 4/21/2021 | - | 55.9 | 1.8 | 37.6 | | < 0.00148 | | < 0.00740 | | < 0.00370 | | < 0.00962 | | - | < 0.124 | | < 4.96 | | 0.624 | B J | 0.624 | |
| WSW-14 | 4/21/2021 | - | 42.5 | 0.6 | 38.2 | | < 0.00148 | | < 0.00739 | | < 0.00369 | | < 0.00960 | | - | < 0.124 | | < 4.95 | | 0.907 | B J | 0.907 | |
| WSW-15 | 4/21/2021 | - | 81.6 | 15.9 | 45.6 | | 0.00109 | J | 0.00997 | | 0.00673 | | 0.0115 | | 0.0293 | < 0.125 | | < 5.00 | | 2.36 | B J | 2.36 | |
| WSW-16 | 4/21/2021 | - | 14.4 | 5.1 | 32.5 | | < 0.00144 | | < 0.00718 | | < 0.00359 | | < 0.00933 | | - | < 0.122 | | < 4.87 | | < 4.87 | | - | |
| WSW-17 | 5/3/2021 | - | 923 | 4.1 | 367 | | < 0.00114 | | < 0.00572 | | < 0.00286 | | < 0.00743 | | - | < 0.107 | | < 4.29 | | 2.38 | J | 2.38 | |
| WSW-18 | 5/3/2021 | - | 2570 | 5.3 | 139 | | < 0.00111 | | < 0.00556 | | < 0.00278 | | < 0.00722 | | - | < 0.106 | | < 4.22 | | 2.45 | J | 2.45 | |
| WSW-19 | 5/3/2021 | - | 840 | 33.7 | 489 | | < 0.00108 | | < 0.00539 | | 0.00205 | J | 0.00681 | J | 0.00886 | 0.0237 | J | 1.74 | J | 2.70 | J | 4.46 | |
| WSW-20 | 5/3/2021 | - | 42.6 | 13.3 | 11.1 | J | < 0.00111 | | < 0.00554 | | < 0.00277 | | 0.00421 | J | 0.00421 | < 0.106 | | < 4.21 | | 2.84 | J | 2.84 | |
| WSW-21 | 5/3/2021 | - | 42.2 | 2.9 | 347 | | < 0.00112 | | < 0.00562 | | < 0.00281 | | 0.00279 | J | 0.00279 | 0.0712 | J | 1.91 | J | 4.60 | | 6.58 | |
| WSW-22 | 5/3/2021 | - | 39.0 | 3.8 | < 20.2 | | < 0.00102 | | < 0.00509 | | < 0.00255 | | < 0.00662 | | - | < 0.101 | | < 4.04 | | 7.30 | | 7.30 | |
| WSW-23 | 5/3/2021 | - | 78.5 | 1.6 | < 20.4 | | < 0.00104 | | < 0.00520 | | < 0.00260 | | < 0.00676 | | - | < 0.102 | | < 4.08 | | 4.06 | J | 4.06 | |
| WSW-24 | 5/5/2021 | - | 53.4 | 3.7 | < 20.1 | | < 0.00101 | | < 0.00507 | | < 0.00254 | | < 0.00659 | | - | < 0.101 | | 3.92 | J | 10.1 | | 14.0 | |

NOTES:

ft. Feet
bgs Below ground surface
ppm Parts per million
mg/kg Milligrams per kilogram
TPH Total Petroleum Hydrocarbons
GRO Gasoline range organics
DRO Diesel range organics
ORO Oil range organics

Bold and italicized values indicate exceedance of proposed RRLs

Gold highlight represents soil horizons that were removed during deepening of excavation floors.

Green highlight represents soil intervals that were removed during horizontal expansion of excavation sidewalls.

* These iterative samples are located to encompass the original sample location that triggered removal, with further excavation in each area indicated in ().

QUALIFIERS:

B The same analyte is found in the associated blank.
J The identification of the analyte is acceptable; the reported value is an estimate.

APPENDIX A C-141 Forms

District I
1625 N. French Dr., Hobbs, NM 88240
District II
811 S. First St., Artesia, NM 88210
District III
1000 Rio Brazos Road, Aztec, NM 87410
District IV
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico
Energy Minerals and Natural
Resources Department

Oil Conservation Division
1220 South St. Francis Dr.
Santa Fe, NM 87505

Form C-141
Revised August 24, 2018
Submit to appropriate OCD District office

| | |
|----------------|----------------|
| Incident ID | NAPP2105135414 |
| District RP | |
| Facility ID | |
| Application ID | |

Release Notification

Responsible Party

| | | | |
|-------------------------|---|------------------------------|----------------|
| Responsible Party | ConocoPhillips Company | OGRID | 217817 |
| Contact Name | Kelsy Waggaman | Contact Telephone | 505-577-9071 |
| Contact email | Kelsy.Waggaman@ConocoPhillips.com | Incident # (assigned by OCD) | NAPP2105135414 |
| Contact mailing address | 29 Vacuum Complex Lane, Lovington, NM 88260 | | |

Location of Release Source

Latitude ~~32.786111~~ 32.807702 Longitude ~~-103.478056~~ -103.769118
(NAD 83 in decimal degrees to 5 decimal places)

| | | | |
|-------------------------|---------|----------------------|-------------------------|
| Site Name | MCA 151 | Site Type | Flowline - off-location |
| Date Release Discovered | 2/19/21 | API# (if applicable) | 30-025-00739 |

| Unit Letter | Section | Township | Range | County |
|-------------|---------|----------|-------|--------|
| G | 28 | 17S | 32E | Lea |

Surface Owner: ☐ State ☒ Federal ☐ Tribal ☐ Private (Name: _____)

Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

| | | | | |
|--|--|--|---|---|
| <input checked="" type="checkbox"/> Crude Oil | Volume Released (bbls) | 3 | Volume Recovered (bbls) | 0 |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) | 27 | Volume Recovered (bbls) | 0 |
| | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input type="checkbox"/> Yes <input type="checkbox"/> No | | |
| <input type="checkbox"/> Condensate | Volume Released (bbls) | | Volume Recovered (bbls) | |
| <input type="checkbox"/> Natural Gas | Volume Released (Mcf) | | Volume Recovered (Mcf) | |
| <input type="checkbox"/> Other (describe) | Volume/Weight Released (provide units) | | Volume/Weight Recovered (provide units) | |

Cause of Release


Flowline Failure

| | |
|----------------|----------------|
| Incident ID | NAPP2105135414 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No | If YES, for what reason(s) does the responsible party consider this a major release? The release exceeded 25 bbls of produced water. |
| If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? Notification of Release (NOR)/C-141a submitted electronically through NMOCD portal by Kelsy Waggaman, ConocoPhillips Environmental Coordinator on 2/20/21. Bradford Billings (NMOCD) and Arthur Arias (BLM) were notified via email on 2/20/21. | |

Initial Response

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury

| | |
|--|---|
| <input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately. | |
| If all the actions described above have <u>not</u> been undertaken, explain why: | |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation. | |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. | |
| Printed Name: <u>Kelsy Waggaman</u> | Title: <u>Environmental Coordinator</u> |
| Signature: <u></u> | Date: <u>3/15/21</u> |
| email: <u>Kelsy.Waggaman@ConocoPhillips.com</u> | Telephone: <u>505-577-9071</u> |
| NAPP2105135414 incident number. C-141 resubmitted with corrections to release source via the payment portal on 4/27/2021. cml | |
| <u>OCD Only</u> | |
| Received by: <u>Karen Collins</u> | Date: <u>3/24/2021</u> |

| L48 Spill Volume Estimate Form | | | | | | | | | |
|---|--------------|-------------|-------------|-------------------------------|--------------------------------------|--|---|--|--|
| Facility Name & Number: MCA 151 | | | | | | | | | |
| Asset Area: Maljamar | | | | | | | | | |
| Release Discovery Date & Time: 02/19/2021 8:00am | | | | | | | | | |
| Release Type: Oil Mixture | | | | | | | | | |
| Provide any known details about the event: Flow line leak | | | | | | | | | |
| Spill Calculation - Subsurface Spill - Rectangle | | | | | | | | | |
| Was the release on pad or off-pad? | | | | | See reference table below | | | | |
| Has it rained at least a half inch in the last 24 hours? | | | | | See reference table below | | | | |
| Convert irregular shape into a series of rectangles | Length (ft.) | Width (ft.) | Depth (in.) | Soil Spilled-Fluid Saturation | Estimated volume of each area (bbl.) | Total Estimated Volume of Spill (bbl.) | Percentage of Oil if Spilled Fluid is a Mixture | Total Estimated Volume of Spilled Oil (bbl.) | Total Estimated Volume of Spilled Liquid other than Oil (bbl.) |
| Rectangle A | 600.0 | 2.0 | 1.00 | 15.32% | 17.800 | 2.727 | 10.00% | 0.273 | 2.454 |
| Rectangle B | 100.0 | 3.0 | 1.00 | 15.32% | 4.450 | 0.682 | 10.00% | 0.068 | 0.614 |
| Rectangle C | 36.0 | 36.0 | 2.00 | 15.32% | 38.448 | 5.890 | 10.00% | 0.589 | 5.301 |
| Rectangle D | 200.0 | 100.0 | 0.13 | 15.32% | 37.083 | 5.681 | 10.00% | 0.568 | 5.113 |
| Rectangle E | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle F | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle G | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle H | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle I | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle J | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Total Volume Release: | | | | | | 14.960 | | 1.498 | 13.462 |

| L48 Spill Volume Estimate Form | | | | | | | | | | | | |
|---|--------------|-------------|--|---|-------------------------------|-------------------------------|---|-----------------------------|--|---|--|--|
| Facility Name & Number: MCA 151 | | | | | | | | | | | | |
| Asset Area: Buckeye West | | | | | | | | | | | | |
| Release Discovery Date & Time: 02/19/2021 8:00am | | | | | | | | | | | | |
| Release Type: Oil Mixture | | | | | | | | | | | | |
| Provide any known details about the event: | | | | | | | | | | | | |
| Spill Calculation - On Pad Surface Pool Spill | | | | | | | | | | | | |
| Convert irregular shape into a series of rectangles | Length (ft.) | Width (ft.) | Deepest point in each of the areas (in.) | No. of boundaries of "shore" in each area | Estimated Pool Area (sq. ft.) | Estimated Average Depth (ft.) | Estimated volume of each pool area (bbl.) | Penetration allowance (ft.) | Total Estimated Volume of Spill (bbl.) | Percentage of Oil if Spilled Fluid is a Mixture | Total Estimated Volume of Spilled Oil (bbl.) | Total Estimated Volume of Spilled Liquid other than Oil (bbl.) |
| Rectangle A | 20.0 | 30.0 | 3.00 | 3 | 600.000 | 0.083 | 8.900 | 0.004 | 8.937 | 10.00% | 0.894 | 8.043 |
| Rectangle B | 15.0 | 20.0 | 3.00 | 3 | 300.000 | 0.083 | 4.450 | 0.004 | 4.469 | 10.00% | 0.447 | 4.022 |
| Rectangle C | 10.0 | 5.0 | 4.00 | 4 | 50.000 | 0.083 | 0.742 | 0.004 | 0.745 | 10.00% | 0.074 | 0.670 |
| Rectangle D | | | | | 0.000 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | | #DIV/0! | #DIV/0! |
| Rectangle E | | | | | 0.000 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | | #DIV/0! | #DIV/0! |
| Rectangle F | | | | | 0.000 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | | #DIV/0! | #DIV/0! |
| Rectangle G | | | | | 0.000 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | | #DIV/0! | #DIV/0! |
| Rectangle H | | | | | 0.000 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | | #DIV/0! | #DIV/0! |
| Rectangle I | | | | | 0.000 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | | #DIV/0! | #DIV/0! |
| Rectangle J | | | | | 0.000 | #DIV/0! | #DIV/0! | #DIV/0! | #DIV/0! | | #DIV/0! | #DIV/0! |
| Total Volume Release: | | | | | | | | | 14.150 | | 1.415 | 12.735 |

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

Site Assessment/Characterization

This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

| | |
|---|--|
| What is the shallowest depth to groundwater beneath the area affected by the release? | _____ (ft bgs) |
| Did this release impact groundwater or surface water? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain? | <input type="checkbox"/> Yes <input type="checkbox"/> No |
| Did the release impact areas not on an exploration, development, production, or storage site? | <input type="checkbox"/> Yes <input type="checkbox"/> No |

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☐ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☐ Field data
- ☐ Data table of soil contaminant concentration data
- ☐ Depth to water determination
- ☐ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☐ Boring or excavation logs
- ☐ Photographs including date and GIS information
- ☐ Topographic/Aerial maps
- ☐ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

Printed Name: _____ Title: _____

Signature:  _____ Date: _____

email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

| | |
|----------------|--|
| Incident ID | |
| District RP | |
| Facility ID | |
| Application ID | |

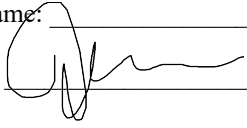
Closure

The responsible party must attach information demonstrating they have complied with all applicable closure requirements and any conditions or directives of the OCD. This demonstration should be in the form of a comprehensive report (electronic submittals in .pdf format are preferred) including a scaled site map, sampling diagrams, relevant field notes, photographs of any excavation prior to backfilling, laboratory data including chain of custody documents of final sampling, and a narrative of the remedial activities. Refer to 19.15.29.12 NMAC.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☐ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☐ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☐ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. The responsible party acknowledges they must substantially restore, reclaim, and re-vegetate the impacted surface area to the conditions that existed prior to the release or their final land use in accordance with 19.15.29.13 NMAC including notification to the OCD when reclamation and re-vegetation are complete.

Printed Name: _____ Title: _____
Signature:  _____ Date: _____
email: _____ Telephone: _____

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

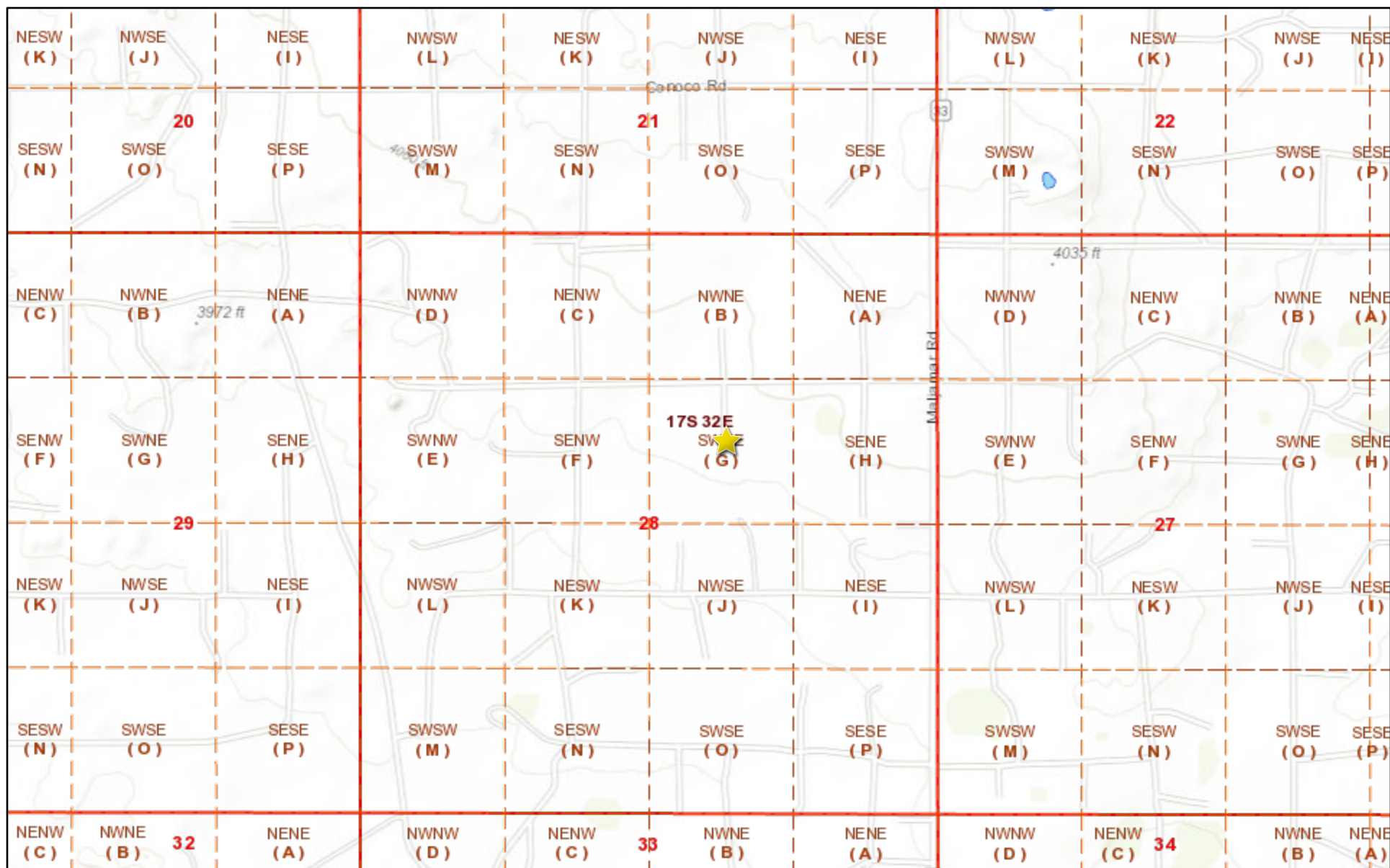
Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____

APPENDIX B

Site Characterization Data

MCA 151 Flowline Release - Water Bodies



4/22/2021, 4:08:47 PM



Override 1



PLSS First Division



PLSS Townships



PLJV Probable Playas



OCD District Offices



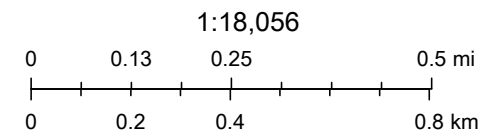
PLSS Second Division



OSE Water-bodies



OSE Streams



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin,






New Mexico Oil Conservation Division

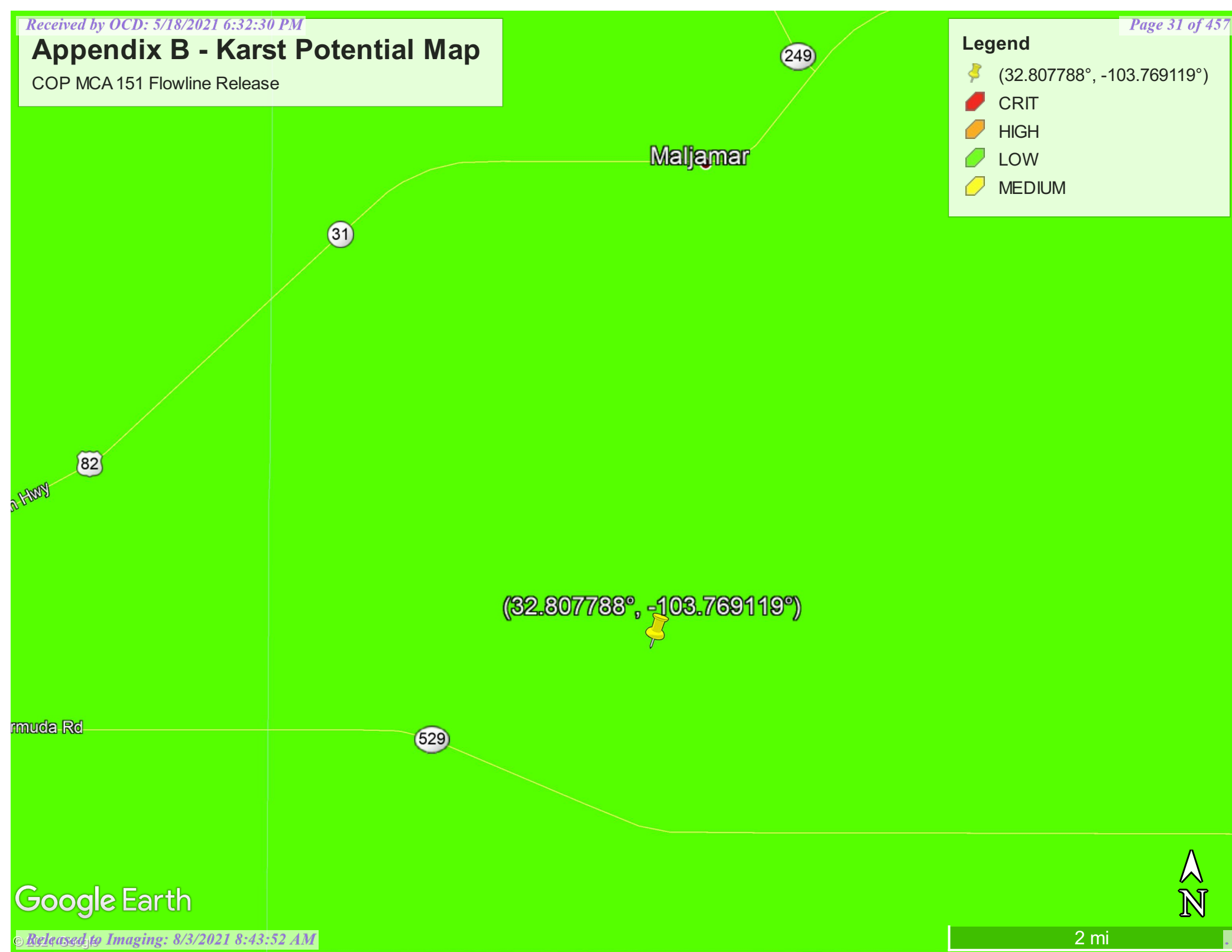
NM OCD Oil and Gas Map. <http://nm-emnrd.maps.arcgis.com/apps/webappviewer/index.html?id=4d017f2306164de29fd2fb9f8f35ca75>: New Mexico Oil Conservation Division

Appendix B - Karst Potential Map

COP MCA 151 Flowline Release

Legend

-  (32.807788°, -103.769119°)
-  CRIT
-  HIGH
-  LOW
-  MEDIUM



Google Earth



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,
O=orphaned,
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|-------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| RA 12721 POD2 | RA | LE | | 1 | 1 | 4 | 28 | 17S | 32E | 615055 | 3630407 | 264 | 124 | 75 | 49 |
| RA 12020 POD3 | RA | LE | | 2 | 1 | 2 | 28 | 17S | 32E | 615152 | 3631019 | 422 | 112 | 83 | 29 |
| RA 12020 POD1 | RA | LE | | 2 | 2 | 1 | 28 | 17S | 32E | 614828 | 3630954 | 534 | 120 | 81 | 39 |
| RA 12522 POD3 | RA | LE | | 4 | 4 | 3 | 28 | 17S | 32E | 614980 | 3631093 | 549 | 100 | | |
| RA 12522 POD2 | RA | LE | | 2 | 2 | 1 | 28 | 17S | 32E | 614949 | 3631098 | 569 | 100 | | |
| RA 10175 | RA | LE | | 2 | 1 | | 28 | 17S | 32E | 614814 | 3631005* | 578 | 158 | | |
| RA 12522 POD1 | RA | LE | | 3 | 3 | 4 | 21 | 17S | 32E | 614941 | 3631122 | 593 | 100 | | |
| RA 12721 POD3 | RA | LE | | 2 | 3 | 4 | 28 | 17S | 32E | 615417 | 3629979 | 651 | 115 | | |
| RA 12042 POD1 | RA | LE | | 2 | 2 | 1 | 28 | 17S | 32E | 614891 | 3631181 | 669 | 400 | | |
| RA 12521 POD1 | RA | LE | | 3 | 3 | 4 | 21 | 17S | 32E | 615127 | 3631271 | 674 | 105 | 92 | 13 |
| RA 12721 POD1 | RA | LE | | 3 | 2 | 3 | 28 | 17S | 32E | 614645 | 3630141 | 747 | 125 | | |
| RA 12721 POD5 | RA | LE | | 2 | 4 | 4 | 28 | 17S | 32E | 615650 | 3629961 | 766 | 130 | 124 | 6 |

Average Depth to Water: **91 feet**

Minimum Depth: **75 feet**

Maximum Depth: **124 feet**

Record Count: 12

UTM NAD83 Radius Search (in meters):

Easting (X): 615231.432

Northing (Y): 3630604.468

Radius: 800

*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

3/4/21 2:43 PM

Page 1 of 1

WATER COLUMN/ AVERAGE
DEPTH TO WATER

APPENDIX C

Photographic Documentation



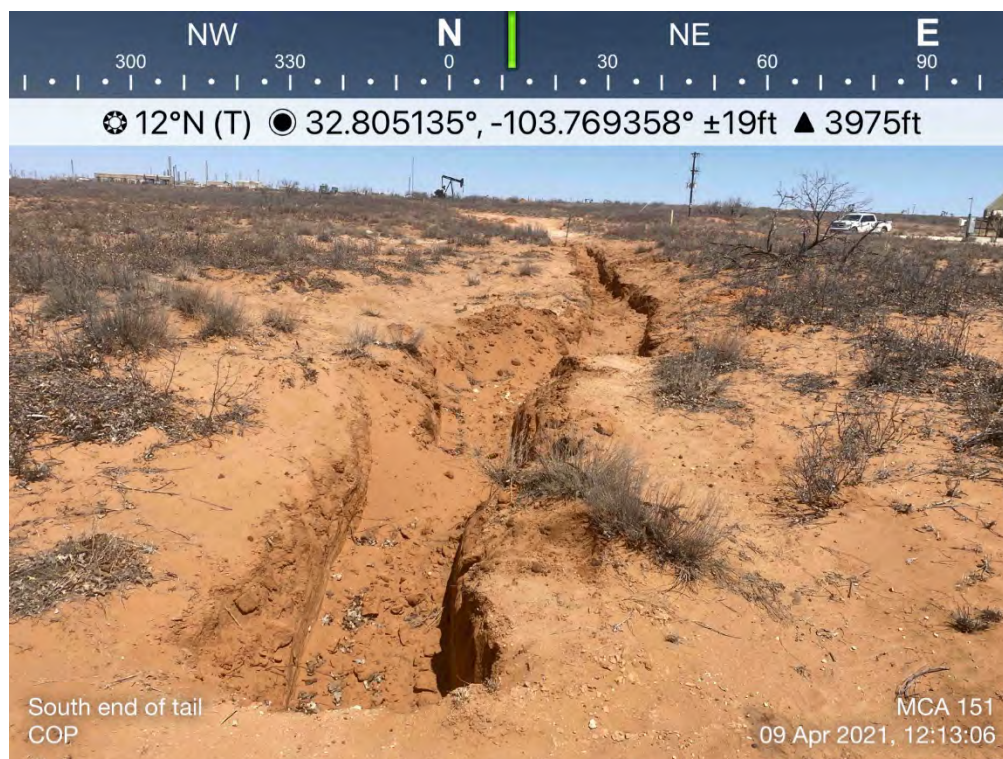
| | | | |
|--|-------------|---|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View north. Release point and staining. | 1 |
| | SITE NAME | MCA 151 FL Release | 2/2/2021 |



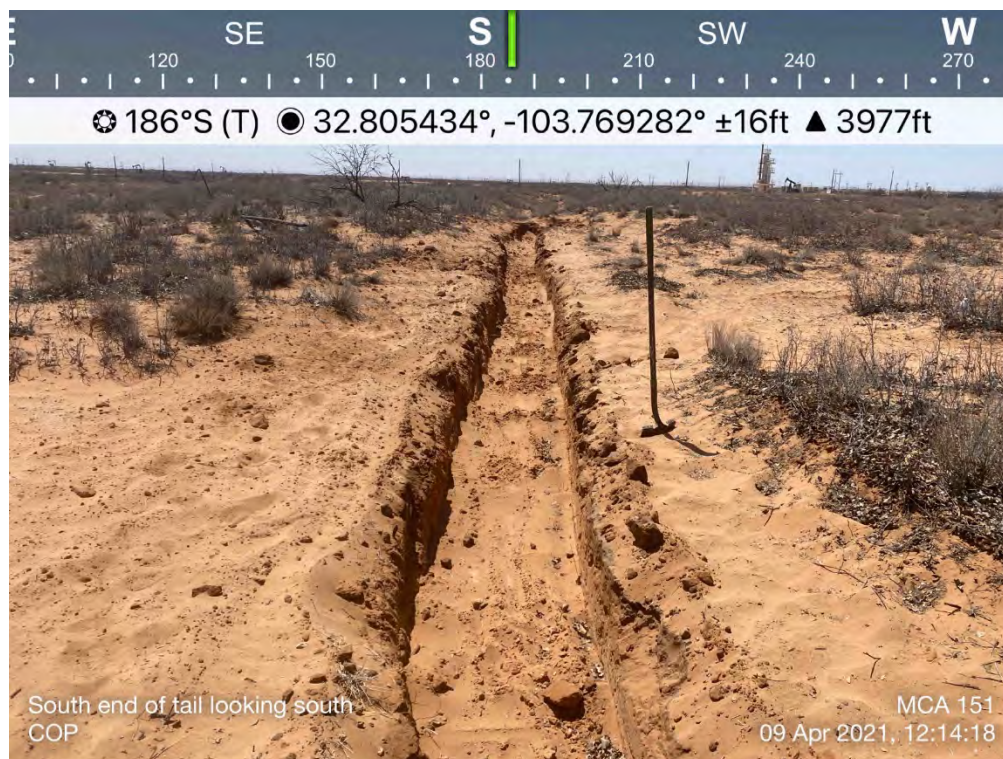
| | | | |
|--|-------------|---|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View northwest. Pad east central of the release and staining. | 2 |
| | SITE NAME | MCA 151 FL Release | 2/2/2021 |



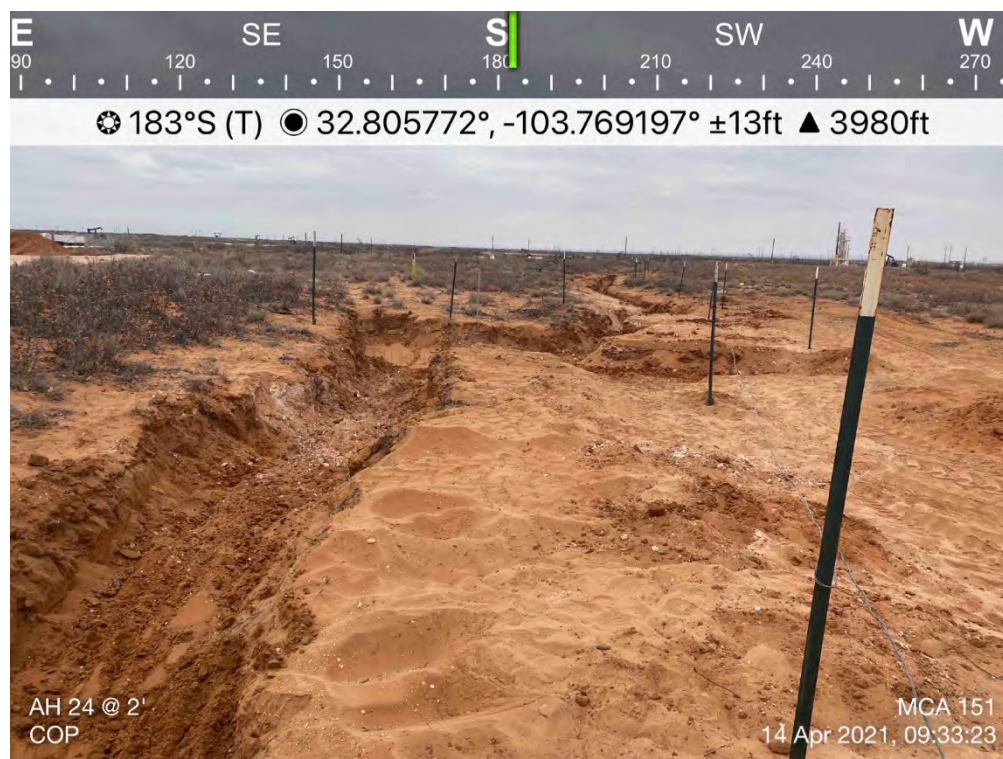
| | | | |
|--|-------------|---|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View southeast. Central portion of the release footprint and associated ~2' bgs excavation. | 3 |
| | SITE NAME | MCA 151 FL Release | 4/9/2021 |



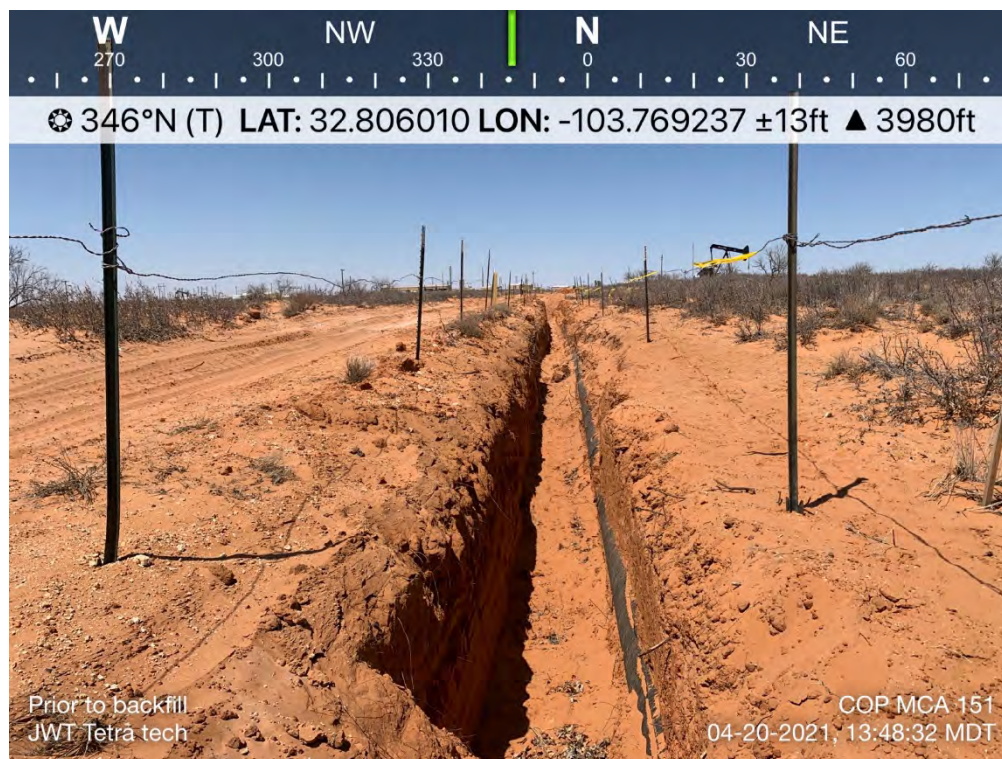
| | | | |
|--|-------------|---|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View north. Release footprint, pasture and associated ~2' bgs excavation. | 4 |
| | SITE NAME | MCA 151 FL Release | 4/9/2021 |



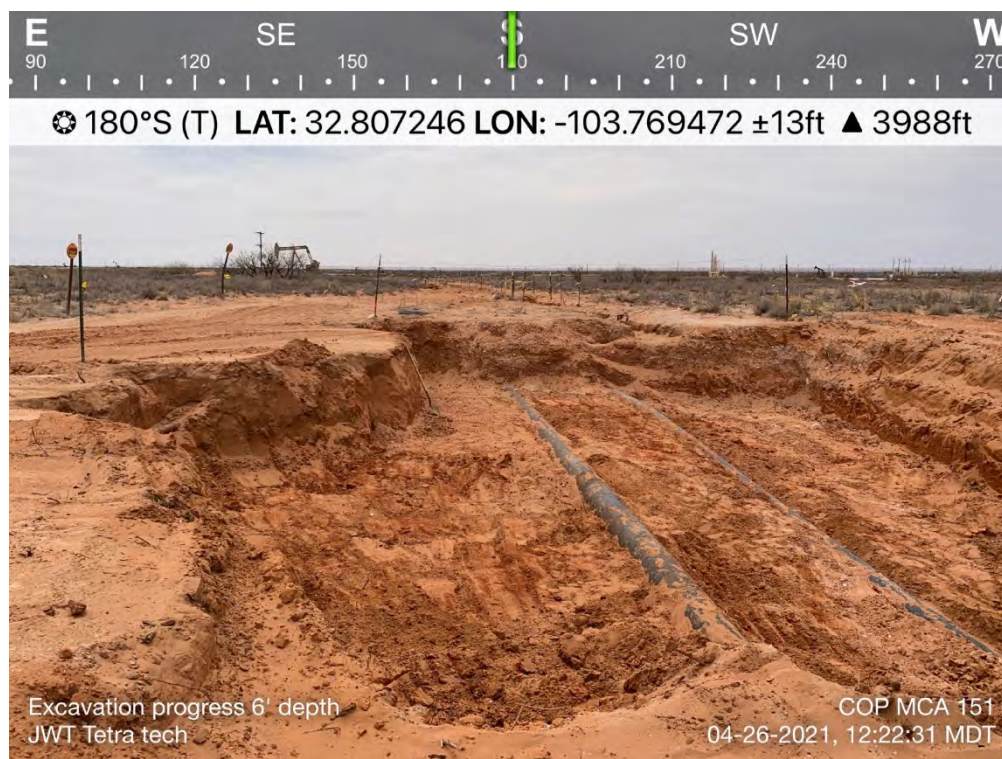
| | | | |
|--|-------------|---|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View south. Release footprint, pasture and associated ~2' bgs excavation. | 5 |
| | SITE NAME | MCA 151 FL Release | 4/9/2021 |



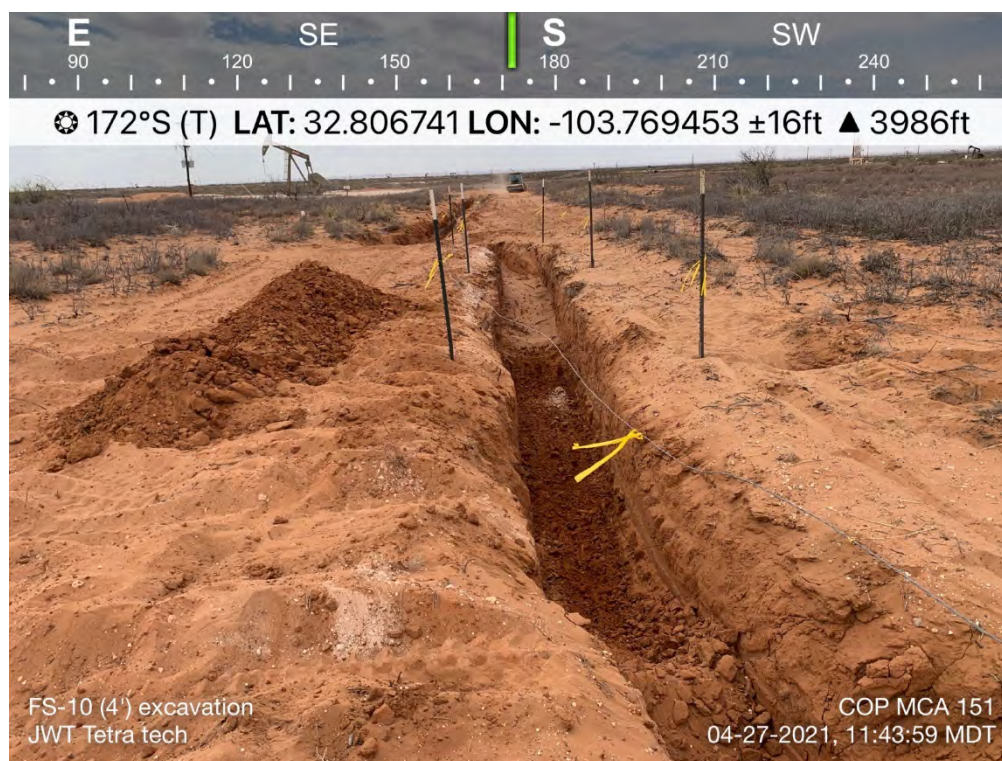
| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View south. Release footprint, pasture and associated ~2' bgs excavation. | 6 |
| | SITE NAME | MCA 151 FL Release | 4/14/2021 |



| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View north. Release footprint, pasture, buried line, and associated ~3' bgs excavation. | 7 |
| | SITE NAME | MCA 151 FL Release | 4/20/2021 |



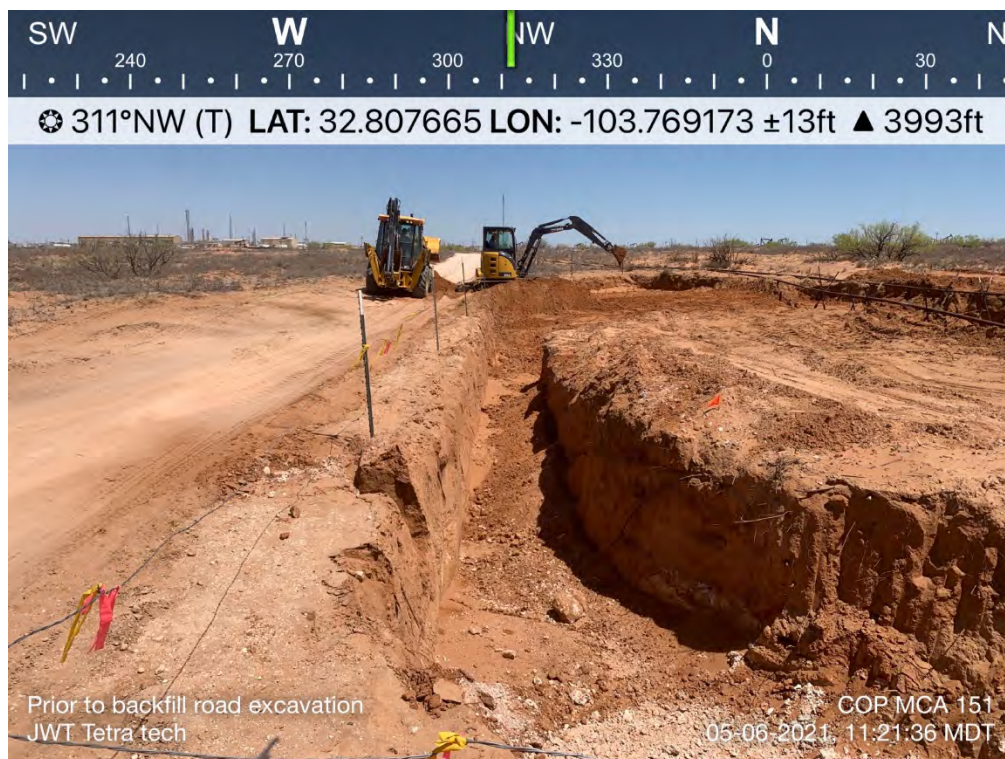
| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View south. Release footprint, buried lines, and associated excavation. | 8 |
| | SITE NAME | MCA 151 FL Release | 4/26/2021 |



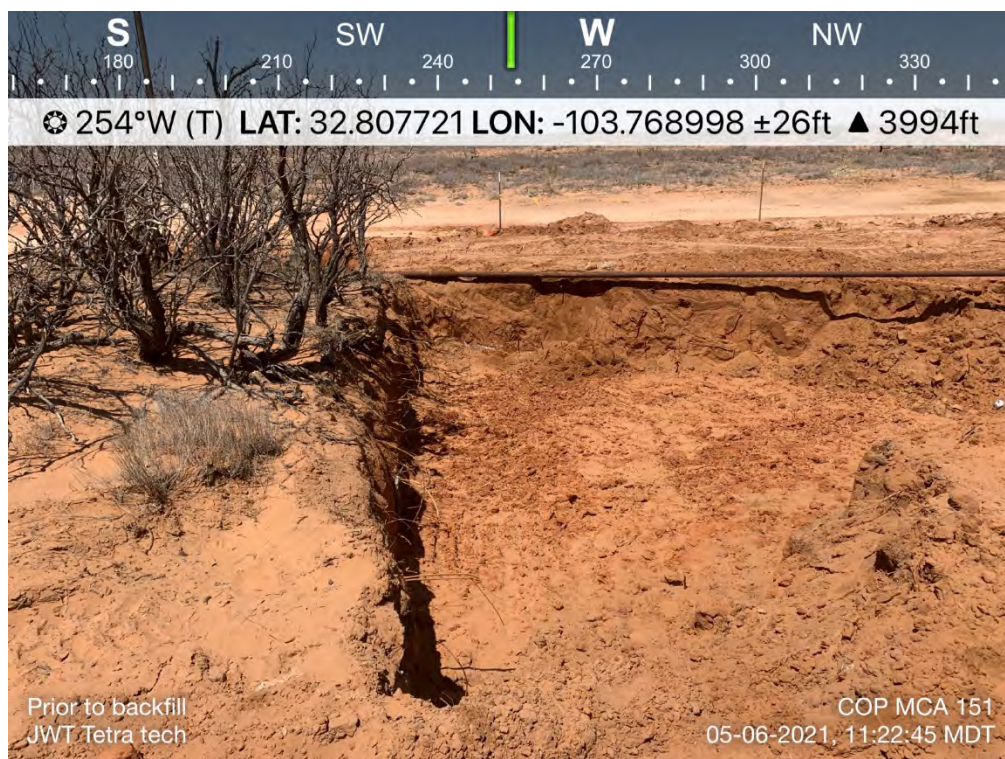
| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View south. Release footprint, pasture and associated ~4' bgs excavation. | 9 |
| | SITE NAME | MCA 151 FL Release | 4/27/2021 |



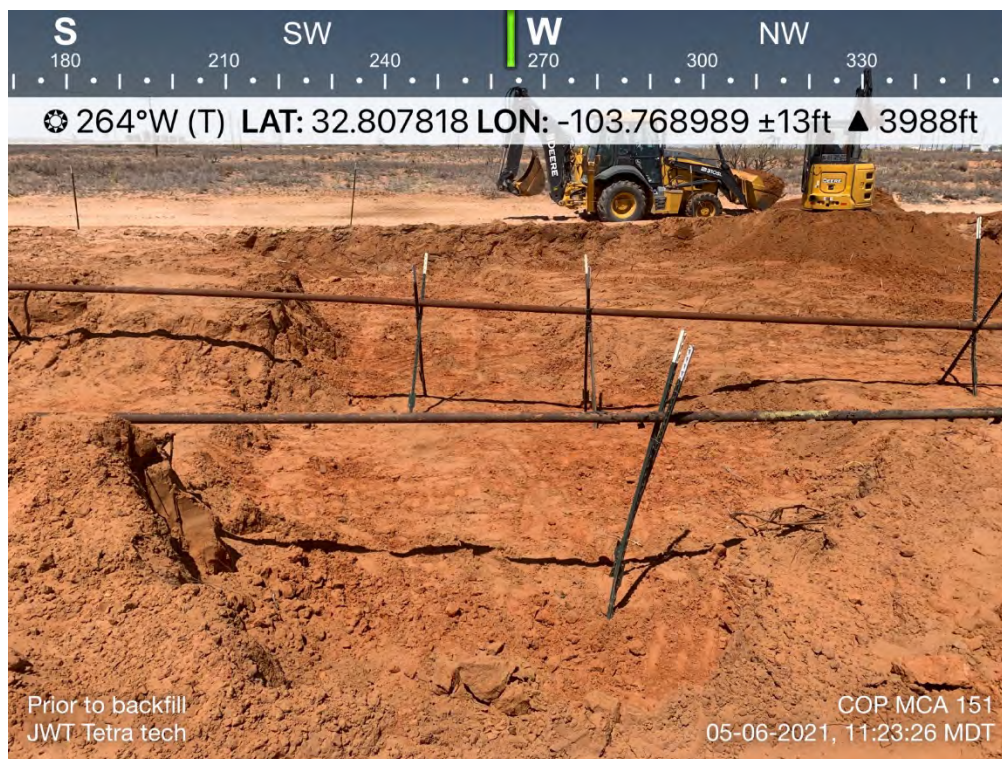
| | | | |
|--|-------------|---|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View east. Release point, surface line, and associated 6' bgs excavation. | 10 |
| | SITE NAME | MCA 151 FL Release | 5/6/2021 |



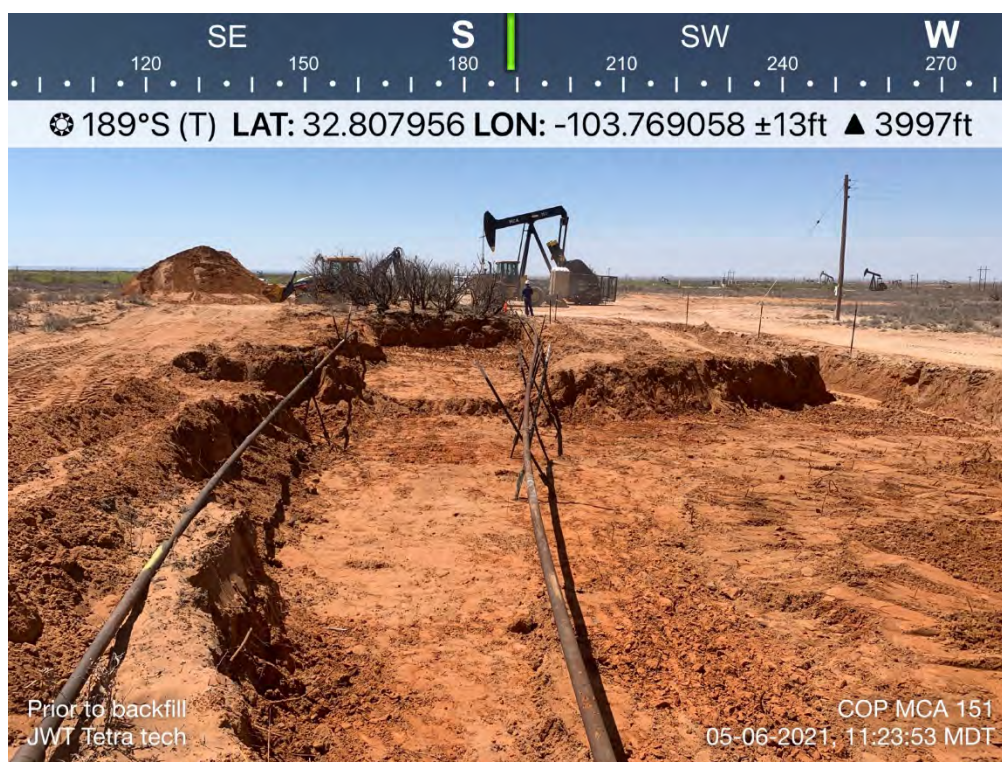
| | | | |
|--|-------------|---|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View northwest. Release footprint and excavation. | 11 |
| | SITE NAME | MCA 151 FL Release | 5/6/2021 |



| | | | |
|--|-------------|--|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View west. Release footprint. Surface line and excavation. | 12 |
| | SITE NAME | MCA 151 FL Release | 5/6/2021 |



| | | | |
|--|-------------|--|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View west. Release footprint. Surface line and excavation. | 13 |
| | SITE NAME | MCA 151 FL Release | 5/6/2021 |



| | | | |
|--|-------------|--|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View south. Release footprint. Surface lines and excavation. | 14 |
| | SITE NAME | MCA 151 FL Release | 5/6/2021 |



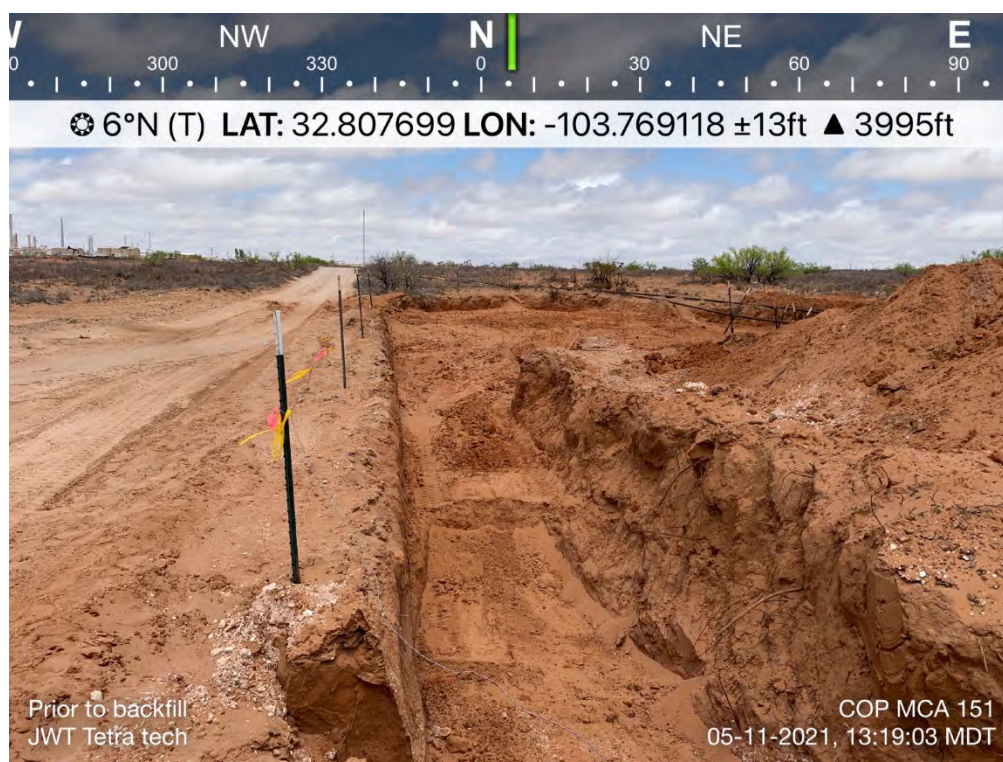
| | | | |
|--|-------------|---|----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View southeast. Release footprint. Surface lines and excavation. | 15 |
| | SITE NAME | MCA 151 FL Release | 5/6/2021 |



| | | | |
|--|-------------|--|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View southwest. Release footprint and excavation. | 16 |
| | SITE NAME | MCA 151 FL Release | 5/11/2021 |



| | | | |
|--|-------------|---|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View southeast. On pad. Release footprint, buried line and excavation | 17 |
| | SITE NAME | MCA 151 FL Release | 5/11/2021 |



| | | | |
|--|-------------|--|-----------|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02471 | DESCRIPTION | View north from the release point. Release footprint and excavation. | 18 |
| | SITE NAME | MCA 151 FL Release | 5/11/2021 |

APPENDIX D

Laboratory Analytical Data

Soil Assessment



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 02, 2021

JOE TYLER

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: MCA #151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 02/26/21 16:25.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 • 101 E. MARLAND • HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 1 (0 - 1') (H210470-01)

| BTEX 8021B | | | mg/kg | | Analyzed By: MS | | | | |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | | mg/kg | | Analyzed By: GM | | | | |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 16.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | | mg/kg | | Analyzed By: MS | | | | |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 72.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.2 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 2 (0 - 1') (H210470-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | | |
| Total BTEX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.1 % 42.2-156

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 3 (0 - 1') (H210470-03)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | | |
| Total BTX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 73.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 71.5 % 42.2-156

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PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 4 (0 - 1') (H210470-04)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | | |
| Total BTX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 74.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 74.2 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 5 (0 - 1') (H210470-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 68.9 % 44.3-144

Surrogate: 1-Chlorooctadecane 69.1 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 6 (0 - 1') (H210470-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | | |
| Total BTEX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 16.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 75.6 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

Received: 02/26/2021
 Reported: 03/02/2021
 Project Name: MCA #151 FLOWLINE RELEASE
 Project Number: 212C-MD-02377
 Project Location: COPC - LEA COUNTY, NM

Sampling Date: 02/26/2021
 Sampling Type: Soil
 Sampling Condition: ** (See Notes)
 Sample Received By: Tamara Oldaker

Sample ID: AH - 7 (0 - 1') (H210470-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | | |
| Total BTEX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 73.8 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 8 (0 - 1') (H210470-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | 0.111 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | <16.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | <10.0 | 10.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 79.2 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 9 (0 - 1') (H210470-09)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 60.1 | 5.00 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | 415 | 5.00 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | 286 | 5.00 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | 407 | 15.0 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | 1170 | 30.0 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|----------------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 9460 | 50.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | 21700 | 50.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | 4320 | 50.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 499 % 44.3-144

Surrogate: 1-Chlorooctadecane 581 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 9 (1' - 2') (H210470-10)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.446 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | 4.07 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | 1.78 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | 2.55 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | 8.84 | 0.300 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1650 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 62.1 | 50.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | 1930 | 50.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | 880 | 50.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.2 % 44.3-144

Surrogate: 1-Chlorooctadecane 163 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 9 (2' - 3') (H210470-11)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | | |
| Total BTEx | <0.300 | 0.300 | 03/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 3760 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 207 | 103 | 200 | 2.59 | |
| DRO >C10-C28* | 40.6 | 10.0 | 03/01/2021 | ND | 212 | 106 | 200 | 1.04 | |
| EXT DRO >C28-C36 | 11.0 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 75.7 % 44.3-144

Surrogate: 1-Chlorooctadecane 76.5 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 9 (3' - 4') (H210470-12)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | | |
| Total BTX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 1520 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 214 | 107 | 200 | 1.75 | QR-03 |
| DRO >C10-C28* | 185 | 10.0 | 03/01/2021 | ND | 225 | 112 | 200 | 3.74 | |
| EXT DRO >C28-C36 | 47.8 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 88.6 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 9 (4' - 5') (H210470-13)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | | |
| Total BTEX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 7600 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/01/2021 | ND | 214 | 107 | 200 | 1.75 | |
| DRO >C10-C28* | 100 | 10.0 | 03/01/2021 | ND | 225 | 112 | 200 | 3.74 | |
| EXT DRO >C28-C36 | 23.2 | 10.0 | 03/01/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 78.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 82.9 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 9 (5' - 6') (H210470-14)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.886 | 0.100 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | 12.0 | 0.100 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | 16.3 | 0.100 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | 28.0 | 0.300 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | 57.2 | 0.600 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 179 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 880 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 470 | 50.0 | 03/02/2021 | ND | 214 | 107 | 200 | 1.75 | |
| DRO >C10-C28* | 3530 | 50.0 | 03/02/2021 | ND | 225 | 112 | 200 | 3.74 | |
| EXT DRO >C28-C36 | 731 | 50.0 | 03/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 111 % 44.3-144

Surrogate: 1-Chlorooctadecane 154 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 10 (0 - 1') (H210470-15)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 18.8 | 2.00 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | 155 | 2.00 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | 142 | 2.00 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | 227 | 6.00 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | 542 | 12.0 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 126 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2480 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 5530 | 50.0 | 03/02/2021 | ND | 214 | 107 | 200 | 1.75 | |
| DRO >C10-C28* | 21100 | 50.0 | 03/02/2021 | ND | 225 | 112 | 200 | 3.74 | |
| EXT DRO >C28-C36 | 3800 | 50.0 | 03/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 443 % 44.3-144

Surrogate: 1-Chlorooctadecane 563 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 10 (1' - 2') (H210470-16)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | 0.085 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | 0.290 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | 0.664 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | 1.04 | 0.300 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 720 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 15.9 | 10.0 | 03/02/2021 | ND | 214 | 107 | 200 | 1.75 | |
| DRO >C10-C28* | 265 | 10.0 | 03/02/2021 | ND | 225 | 112 | 200 | 3.74 | |
| EXT DRO >C28-C36 | 46.6 | 10.0 | 03/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 81.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.7 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 10 (2' - 3') (H210470-17)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/02/2021 | ND | 214 | 107 | 200 | 1.75 | |
| DRO >C10-C28* | 57.5 | 10.0 | 03/02/2021 | ND | 225 | 112 | 200 | 3.74 | |
| EXT DRO >C28-C36 | 10.5 | 10.0 | 03/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 76.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 78.9 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 02/26/2021 | Sampling Date: | 02/26/2021 |
| Reported: | 03/02/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: AH - 10 (3' - 4') (H210470-18)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.08 | 104 | 2.00 | 2.65 | |
| Toluene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.12 | 106 | 2.00 | 2.18 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/01/2021 | ND | 2.05 | 102 | 2.00 | 3.21 | |
| Total Xylenes* | <0.150 | 0.150 | 03/01/2021 | ND | 5.98 | 99.7 | 6.00 | 3.07 | |
| Total BTEX | <0.300 | 0.300 | 03/01/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 32.0 | 16.0 | 03/01/2021 | ND | 416 | 104 | 400 | 3.92 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/02/2021 | ND | 214 | 107 | 200 | 1.75 | |
| DRO >C10-C28* | 63.0 | 10.0 | 03/02/2021 | ND | 225 | 112 | 200 | 3.74 | |
| EXT DRO >C28-C36 | 10.5 | 10.0 | 03/02/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.1 % 44.3-144

Surrogate: 1-Chlorooctadecane 77.8 % 42.2-156

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Notes and Definitions

| | |
|-------|---|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QR-03 | The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene".

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

Page 01 of 02

| | | | | | | |
|--|--|--|--|--|--|--|
| Company Name: ConocoPhillips | | | | | | |
| Project Manager: Joe Tyler with Tetra Tech | | | | | | |
| Address: | | | | | | |
| City: | | | | | | |
| State: Zip: | | | | | | |
| Phone #: (432) 210-6952 Fax #: | | | | | | |
| Project #: 212C-MD-02377 Project Owner: | | | | | | |
| Project Name: Conoco Phillips MCA 151 Flowline Release | | | | | | |
| Project Location: MCA 151 Flowline Release | | | | | | |
| Sample Name: Matthew Castreyon | | | | | | |
| FOR LAB USE ONLY | | | | | | |
| Lab I.D. | | | | | | |
| Sample I.D. | | | | | | |
| # CONTAINERS | | | | | | |
| GROUNDWATER WASTEWATER | | | | | | |
| MATRIX SOIL OIL SLUDGE OTHER : | | | | | | |
| ACID/BASE: ICE / COOL OTHER : | | | | | | |
| DATE TIME | | | | | | |
| TPH | | | | | | |
| BTEx | | | | | | |
| Chlorides | | | | | | |
| Hold | | | | | | |



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

[illegible]



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

March 04, 2021

JOE TYLER

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: MCA #151 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 03/02/21 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-20-13. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

| | |
|------------------|------------------------------|
| Method EPA 552.2 | Haloacetic Acids (HAA-5) |
| Method EPA 524.2 | Total Trihalomethanes (TTHM) |
| Method EPA 524.4 | Regulated VOCs (V1, V2, V3) |

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 03/02/2021 | Sampling Date: | 03/02/2021 |
| Reported: | 03/04/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: BH - 1 (0-1) (H210499-01)

| BTX 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|-----------------------|-------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 67.6 | 5.00 | 03/03/2021 | ND | 2.23 | 112 | 2.00 | 0.770 | QM-07 |
| Toluene* | 350 | 5.00 | 03/03/2021 | ND | 2.26 | 113 | 2.00 | 1.03 | QM-07 |
| Ethylbenzene* | 194 | 5.00 | 03/03/2021 | ND | 2.18 | 109 | 2.00 | 1.12 | QM-07 |
| Total Xylenes* | 270 | 15.0 | 03/03/2021 | ND | 6.33 | 106 | 6.00 | 0.986 | QM-07 |
| Total BTX | 881 | 30.0 | 03/03/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 2320 | 16.0 | 03/03/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | S-06 |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | 6620 | 100 | 03/03/2021 | ND | 211 | 106 | 200 | 3.47 | QM-07 | |
| DRO >C10-C28* | 9350 | 100 | 03/03/2021 | ND | 203 | 102 | 200 | 1.36 | QM-07 | |
| EXT DRO >C28-C36 | 1040 | 100 | 03/03/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 557 % 44.3-144

Surrogate: 1-Chlorooctadecane 422 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 03/02/2021 | Sampling Date: | 03/02/2021 |
| Reported: | 03/04/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: BH - 1 (1-2) (H210499-02)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 67.5 | 5.00 | 03/03/2021 | ND | 2.23 | 112 | 2.00 | 0.770 | |
| Toluene* | 353 | 5.00 | 03/03/2021 | ND | 2.26 | 113 | 2.00 | 1.03 | |
| Ethylbenzene* | 196 | 5.00 | 03/03/2021 | ND | 2.18 | 109 | 2.00 | 1.12 | |
| Total Xylenes* | 276 | 15.0 | 03/03/2021 | ND | 6.33 | 106 | 6.00 | 0.986 | |
| Total BTEx | 892 | 30.0 | 03/03/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 109 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2760 | 16.0 | 03/03/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | S-06 | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 6080 | 100 | 03/03/2021 | ND | 211 | 106 | 200 | 3.47 | |
| DRO >C10-C28* | 8710 | 100 | 03/03/2021 | ND | 203 | 102 | 200 | 1.36 | |
| EXT DRO >C28-C36 | 1010 | 100 | 03/03/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 671 % 44.3-144

Surrogate: 1-Chlorooctadecane 398 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 03/02/2021 | Sampling Date: | 03/02/2021 |
| Reported: | 03/04/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: BH - 1 (2-3) (H210499-03)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.066 | 0.050 | 03/03/2021 | ND | 2.23 | 112 | 2.00 | 0.770 | |
| Toluene* | 0.233 | 0.050 | 03/03/2021 | ND | 2.26 | 113 | 2.00 | 1.03 | |
| Ethylbenzene* | 0.127 | 0.050 | 03/03/2021 | ND | 2.18 | 109 | 2.00 | 1.12 | |
| Total Xylenes* | 0.197 | 0.150 | 03/03/2021 | ND | 6.33 | 106 | 6.00 | 0.986 | |
| Total BTEX | 0.624 | 0.300 | 03/03/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 8880 | 16.0 | 03/03/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/03/2021 | ND | 211 | 106 | 200 | 3.47 | |
| DRO >C10-C28* | 137 | 10.0 | 03/03/2021 | ND | 203 | 102 | 200 | 1.36 | |
| EXT DRO >C28-C36 | 19.3 | 10.0 | 03/03/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 83.0 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 03/02/2021 | Sampling Date: | 03/02/2021 |
| Reported: | 03/04/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: BH - 1 (3-4) (H210499-04)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.23 | 112 | 2.00 | 0.770 | |
| Toluene* | 0.181 | 0.050 | 03/03/2021 | ND | 2.26 | 113 | 2.00 | 1.03 | |
| Ethylbenzene* | 0.107 | 0.050 | 03/03/2021 | ND | 2.18 | 109 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 03/03/2021 | ND | 6.33 | 106 | 6.00 | 0.986 | |
| Total BTEx | <0.300 | 0.300 | 03/03/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 10400 | 16.0 | 03/03/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/03/2021 | ND | 211 | 106 | 200 | 3.47 | |
| DRO >C10-C28* | 89.5 | 10.0 | 03/03/2021 | ND | 203 | 102 | 200 | 1.36 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/03/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 77.0 % 44.3-144

Surrogate: 1-Chlorooctadecane 80.5 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 03/02/2021 | Sampling Date: | 03/02/2021 |
| Reported: | 03/04/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: BH - 1 (4-5) (H210499-05)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | S-04 | |
|-----------------------|--------------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | 0.308 | 0.050 | 03/03/2021 | ND | 2.23 | 112 | 2.00 | 0.770 | |
| Toluene* | 3.11 | 0.050 | 03/03/2021 | ND | 2.26 | 113 | 2.00 | 1.03 | |
| Ethylbenzene* | 3.76 | 0.050 | 03/03/2021 | ND | 2.18 | 109 | 2.00 | 1.12 | |
| Total Xylenes* | 6.34 | 0.150 | 03/03/2021 | ND | 6.33 | 106 | 6.00 | 0.986 | |
| Total BTEX | 13.5 | 0.300 | 03/03/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 135 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 12000 | 16.0 | 03/03/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|----------------------------|-------------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | 88.9 | 10.0 | 03/03/2021 | ND | 211 | 106 | 200 | 3.47 | |
| DRO >C10-C28* | 559 | 10.0 | 03/03/2021 | ND | 203 | 102 | 200 | 1.36 | |
| EXT DRO >C28-C36 | 75.9 | 10.0 | 03/03/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 94.3 % 44.3-144

Surrogate: 1-Chlorooctadecane 107 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 03/02/2021 | Sampling Date: | 03/02/2021 |
| Reported: | 03/04/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: BH - 1 (6-7) (H210499-06)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.23 | 112 | 2.00 | 0.770 | | |
| Toluene* | 0.081 | 0.050 | 03/03/2021 | ND | 2.26 | 113 | 2.00 | 1.03 | | |
| Ethylbenzene* | 0.270 | 0.050 | 03/03/2021 | ND | 2.18 | 109 | 2.00 | 1.12 | | |
| Total Xylenes* | 0.636 | 0.150 | 03/03/2021 | ND | 6.33 | 106 | 6.00 | 0.986 | | |
| Total BTEX | 0.987 | 0.300 | 03/03/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 2520 | 16.0 | 03/03/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| GRO C6-C10* | <10.0 | 10.0 | 03/03/2021 | ND | 211 | 106 | 200 | 3.47 | | |
| DRO >C10-C28* | 201 | 10.0 | 03/03/2021 | ND | 203 | 102 | 200 | 1.36 | | |
| EXT DRO >C28-C36 | 31.0 | 10.0 | 03/03/2021 | ND | | | | | | |

Surrogate: 1-Chlorooctane 80.6 % 44.3-144

Surrogate: 1-Chlorooctadecane 85.3 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 03/02/2021 | Sampling Date: | 03/02/2021 |
| Reported: | 03/04/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: BH - 1 (9-10) (H210499-07)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.23 | 112 | 2.00 | 0.770 | | |
| Toluene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.26 | 113 | 2.00 | 1.03 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.18 | 109 | 2.00 | 1.12 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/03/2021 | ND | 6.33 | 106 | 6.00 | 0.986 | | |
| Total BTEx | <0.300 | 0.300 | 03/03/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B | | mg/kg | | Analyzed By: GM | | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Chloride | 560 | 16.0 | 03/03/2021 | ND | 400 | 100 | 400 | 0.00 | | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/03/2021 | ND | 211 | 106 | 200 | 3.47 | |
| DRO >C10-C28* | 128 | 10.0 | 03/03/2021 | ND | 203 | 102 | 200 | 1.36 | |
| EXT DRO >C28-C36 | 15.7 | 10.0 | 03/03/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 83.8 % 44.3-144

Surrogate: 1-Chlorooctadecane 89.1 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 03/02/2021 | Sampling Date: | 03/02/2021 |
| Reported: | 03/04/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: BH - 1 (14-15) (H210499-08)

| BTEx 8021B | | mg/kg | | Analyzed By: MS | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Benzene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.23 | 112 | 2.00 | 0.770 | |
| Toluene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.26 | 113 | 2.00 | 1.03 | |
| Ethylbenzene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.18 | 109 | 2.00 | 1.12 | |
| Total Xylenes* | <0.150 | 0.150 | 03/03/2021 | ND | 6.33 | 106 | 6.00 | 0.986 | |
| Total BTEX | <0.300 | 0.300 | 03/03/2021 | ND | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 192 | 16.0 | 03/03/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/03/2021 | ND | 211 | 106 | 200 | 3.47 | |
| DRO >C10-C28* | 79.3 | 10.0 | 03/03/2021 | ND | 203 | 102 | 200 | 1.36 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/03/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 84.5 % 44.3-144

Surrogate: 1-Chlorooctadecane 87.7 % 42.2-156

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Analytical Results For:

Conoco Phillips - Hobbs
 JOE TYLER
 P. O. BOX 325
 Hobbs NM, 88240
 Fax To: (575) 297-1477

| | | | |
|-------------------|---------------------------|---------------------|----------------|
| Received: | 03/02/2021 | Sampling Date: | 03/02/2021 |
| Reported: | 03/04/2021 | Sampling Type: | Soil |
| Project Name: | MCA #151 FLOWLINE RELEASE | Sampling Condition: | ** (See Notes) |
| Project Number: | 212C-MD-02377 | Sample Received By: | Tamara Oldaker |
| Project Location: | COPC - LEA COUNTY, NM | | |

Sample ID: BH - 1 (19-20) (H210499-09)

| BTEX 8021B | | mg/kg | | Analyzed By: MS | | | | | | |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier | |
| Benzene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.23 | 112 | 2.00 | 0.770 | | |
| Toluene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.26 | 113 | 2.00 | 1.03 | | |
| Ethylbenzene* | <0.050 | 0.050 | 03/03/2021 | ND | 2.18 | 109 | 2.00 | 1.12 | | |
| Total Xylenes* | <0.150 | 0.150 | 03/03/2021 | ND | 6.33 | 106 | 6.00 | 0.986 | | |
| Total BTEX | <0.300 | 0.300 | 03/03/2021 | ND | | | | | | |

Surrogate: 4-Bromofluorobenzene (PID) 102 % 73.3-129

| Chloride, SM4500Cl-B | | mg/kg | | Analyzed By: GM | | | | | |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| Chloride | 48.0 | 16.0 | 03/03/2021 | ND | 400 | 100 | 400 | 0.00 | |

| TPH 8015M | | mg/kg | | Analyzed By: MS | | | | | |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte | Result | Reporting Limit | Analyzed | Method Blank | BS | % Recovery | True Value QC | RPD | Qualifier |
| GRO C6-C10* | <10.0 | 10.0 | 03/03/2021 | ND | 211 | 106 | 200 | 3.47 | |
| DRO >C10-C28* | 18.2 | 10.0 | 03/03/2021 | ND | 203 | 102 | 200 | 1.36 | |
| EXT DRO >C28-C36 | <10.0 | 10.0 | 03/03/2021 | ND | | | | | |

Surrogate: 1-Chlorooctane 80.4 % 44.3-144

Surrogate: 1-Chlorooctadecane 81.7 % 42.2-156

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Celey D. Keene, Lab Director/Quality Manager

PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

| | |
|-------|--|
| S-06 | The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's. |
| S-04 | The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery. |
| ND | Analyte NOT DETECTED at or above the reporting limit |
| RPD | Relative Percent Difference |
| ** | Samples not received at proper temperature of 6°C or below. |
| *** | Insufficient time to reach temperature. |
| - | Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report |

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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

| BILL TO | | | | | | | ANALYSIS REQUEST | | | | | | |
|---|-------------|-------------------|--------------|-------------|------------|--------|---|------|-----|------|-----------|------|--|
| Company Name: ConocoPhillips | | | | | | | P.O. #: | | | | | | |
| Project Manager: Joe Tyler with Tetra Tech | | | | | | | Company: ConocoPhillips | | | | | | |
| Address: joe.tyler@tetratech.com | | | | | | | Attn: Andrew Richards | | | | | | |
| City: | | | | | | | Address: andrew.richards@conocophillips.com | | | | | | |
| State: | | | | | | | City: @conocophillips.com | | | | | | |
| Zip: | | | | | | | State: | | | | | | |
| Phone #: (432) 210-6952 | | | | | | | Fax #: | | | | | | |
| Project #: 212C-MD-02377 | | | | | | | Project Owner: | | | | | | |
| Project Name: Conoco Phillips MCA 151 Release | | | | | | | Phone #: | | | | | | |
| Project Location: MCA 151 | | | | | | | Fax #: | | | | | | |
| Sampler Name: Joe Tyler | | | | | | | PRESERV | | | | | | |
| FOR LAB USE ONLY | | | | | | | SAMPLING | | | | | | |
| Lab I.D. | Sample I.D. | (G)RAB OR (C)OMP. | # CONTAINERS | GROUNDWATER | WASTEWATER | MATRIX | DATE | TIME | TPH | BTEX | Chlorides | Hold | |
| H010499 | RH-1 (0-1) | X | 1 | | | X | 3-2-21 | | X | X | X | | |
| 1 | (1-2) | | | | | | | | | | | | |
| 2 | (2-3) | | | | | | | | | | | | |
| 3 | (3-4) | | | | | | | | | | | | |
| 4 | (4-5) | | | | | | | | | | | | |
| 5 | (6-7) | | | | | | | | | | | | |
| 6 | (9-10) | | | | | | | | | | | | |
| 7 | (4-15) | | | | | | | | | | | | |
| 8 | (19-20) | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | |

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| | | | |
|--|--|--|--------------------------|
| Reinquinshed By: [Signature] | | Date: 3-2-21 | Received By: [Signature] |
| Relinquished By: [Signature] | | Date: | Received By: |
| Time: 1:500 | | | |
| Delivered By: (Circle One) Sampler - UPS - Bus - Other: | | Sample Condition Cool Intact Yes No | |
| 17.6 c #113 | | CHECKED BY: [Signature] (Initials) | |
| REMARKS: Even results to Andrew and Joe please. | | | |
| Phone Result: Yes No | | Add'l Phone #: Add'l Fax #: | |



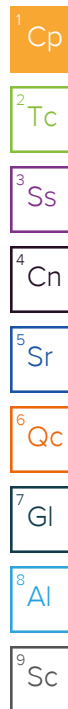
ANALYTICAL REPORT

April 06, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1334083
Samples Received: 04/03/2021
Project Number: 212CMD02471
Description: COP MCA 151 Flowline Release

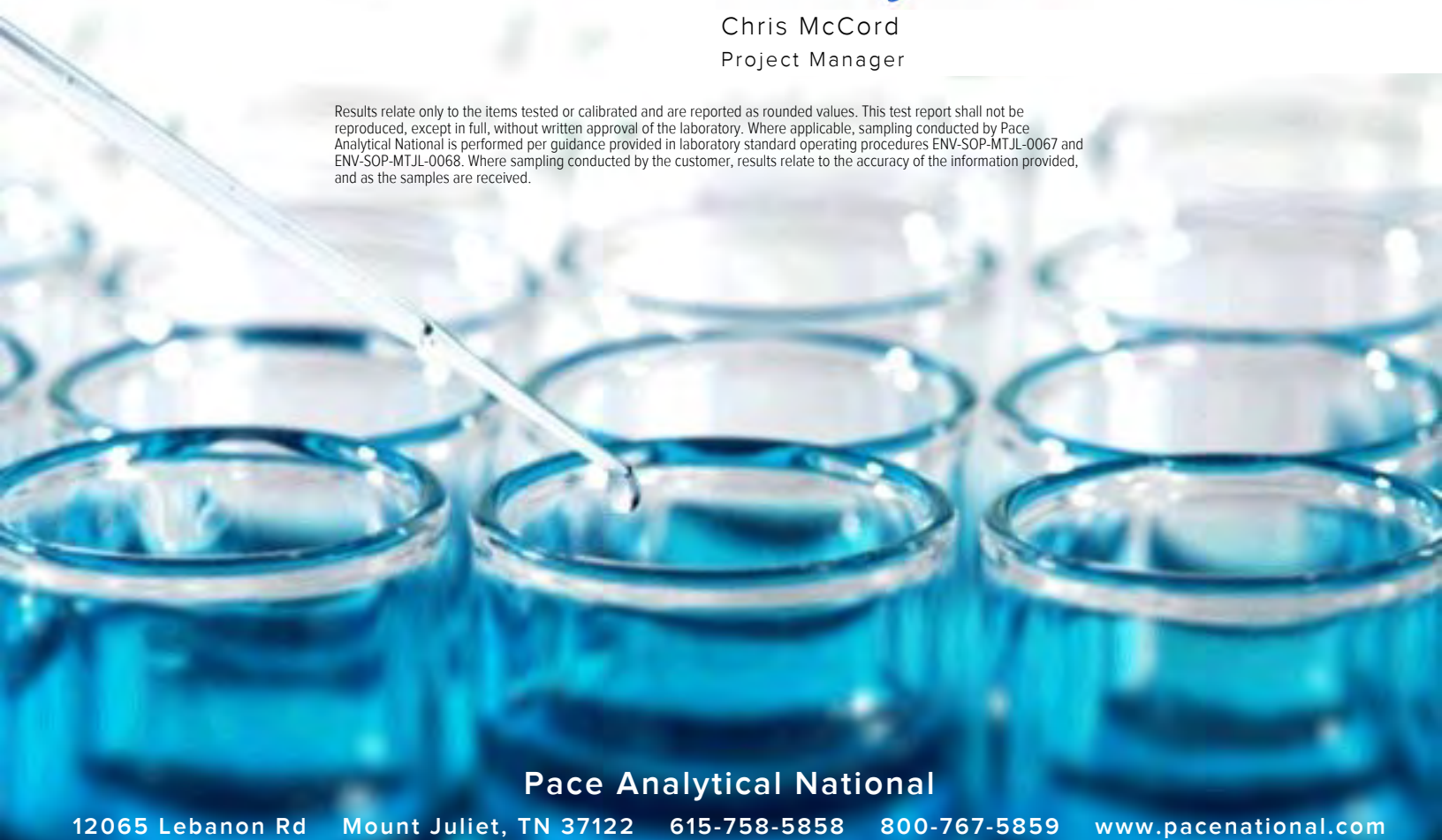
Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701



Entire Report Reviewed By:

Chris McCord
Project Manager

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

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AH 11 (0-1') L1334083-01 Solid

Collected by
Adrian

Collected date/time
04/01/21 11:00

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645523 | 1 | 04/05/21 08:11 | 04/05/21 08:25 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 21:07 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 01:44 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/03/21 22:40 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 06:52 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

AH 12 (0-1') L1334083-02 Solid

Collected by
Adrian

Collected date/time
04/01/21 11:10

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645523 | 1 | 04/05/21 08:11 | 04/05/21 08:25 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 21:35 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 03:06 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/03/21 22:59 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 11:49 | CAG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH 13 (0-1') L1334083-03 Solid

Collected by
Adrian

Collected date/time
04/01/21 11:20

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645523 | 1 | 04/05/21 08:11 | 04/05/21 08:25 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 21:45 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 03:29 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/03/21 23:18 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 11:22 | CAG | Mt. Juliet, TN |

⁹ Sc

AH 14 (0-1') L1334083-04 Solid

Collected by
Adrian

Collected date/time
04/01/21 11:30

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645523 | 1 | 04/05/21 08:11 | 04/05/21 08:25 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 21:54 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 03:51 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/03/21 23:37 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 11:35 | CAG | Mt. Juliet, TN |

AH 15 (0-1') L1334083-05 Solid

Collected by
Adrian

Collected date/time
04/01/21 11:50

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645523 | 1 | 04/05/21 08:11 | 04/05/21 08:25 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 22:04 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1.01 | 04/03/21 20:22 | 04/04/21 04:13 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/03/21 23:56 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 08:40 | CAG | Mt. Juliet, TN |

AH 16 (0-1') L1334083-06 Solid

Collected by
Adrian

Collected date/time
04/01/21 12:00

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645523 | 1 | 04/05/21 08:11 | 04/05/21 08:25 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 22:13 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1646056 | 1.01 | 04/03/21 20:22 | 04/05/21 23:40 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/04/21 00:15 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 13:37 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

AH 17 (0-1') L1334083-07 Solid

Collected by
Adrian

Collected date/time
04/01/21 12:10

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645523 | 1 | 04/05/21 08:11 | 04/05/21 08:25 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 22:42 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 09:27 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/04/21 00:34 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 07:46 | CAG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH 18 (0-1') L1334083-08 Solid

Collected by
Adrian

Collected date/time
04/01/21 12:20

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645524 | 1 | 04/05/21 07:59 | 04/05/21 08:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 22:51 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 09:49 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/04/21 00:53 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 09:21 | CAG | Mt. Juliet, TN |

⁹ Sc

AH 19 (0-1') L1334083-09 Solid

Collected by
Adrian

Collected date/time
04/01/21 13:00

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645524 | 1 | 04/05/21 07:59 | 04/05/21 08:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 23:01 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 10:11 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/04/21 01:13 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 11:08 | CAG | Mt. Juliet, TN |

AH 20 (0-1') L1334083-10 Solid

Collected by
Adrian

Collected date/time
04/01/21 13:10

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645524 | 1 | 04/05/21 07:59 | 04/05/21 08:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 23:20 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 11:52 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1.01 | 04/03/21 20:22 | 04/04/21 01:32 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 09:35 | CAG | Mt. Juliet, TN |

AH-20 (1.5'-2') L1334083-11 Solid

Collected by
Adrian

Collected date/time
04/01/21 13:20

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645524 | 1 | 04/05/21 07:59 | 04/05/21 08:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 1 | 04/05/21 19:03 | 04/05/21 23:30 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 14:55 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/04/21 01:51 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 13:51 | CAG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

AH-22 (0'-1') L1334083-12 Solid

Collected by
Adrian

Collected date/time
04/01/21 14:00

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645524 | 1 | 04/05/21 07:59 | 04/05/21 08:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 10 | 04/05/21 19:03 | 04/05/21 23:39 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1646056 | 50 | 04/03/21 20:22 | 04/06/21 02:02 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/04/21 02:10 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 10 | 04/05/21 23:05 | 04/06/21 14:04 | CAG | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

AH-22 (1.5-2') L1334083-13 Solid

Collected by
Adrian

Collected date/time
04/01/21 14:10

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645524 | 1 | 04/05/21 07:59 | 04/05/21 08:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 10 | 04/05/21 19:03 | 04/05/21 23:49 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1646056 | 1 | 04/03/21 20:22 | 04/06/21 00:09 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1646016 | 1 | 04/03/21 20:22 | 04/05/21 19:34 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 12:16 | CAG | Mt. Juliet, TN |

9 Sc

AH-22 (2.5-3') L1334083-14 Solid

Collected by
Adrian

Collected date/time
04/01/21 14:20

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645524 | 1 | 04/05/21 07:59 | 04/05/21 08:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 10 | 04/05/21 19:03 | 04/05/21 23:58 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1 | 04/03/21 20:22 | 04/04/21 16:03 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1 | 04/03/21 20:22 | 04/04/21 02:48 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1646016 | 1 | 04/03/21 20:22 | 04/05/21 19:52 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 08:13 | CAG | Mt. Juliet, TN |

AH-22 (3.5-4') L1334083-15 Solid

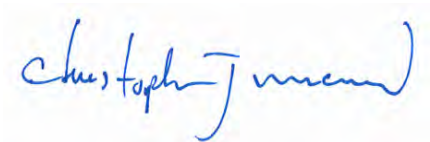
Collected by
Adrian

Collected date/time
04/01/21 14:30

Received date/time
04/03/21 10:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1645524 | 1 | 04/05/21 07:59 | 04/05/21 08:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1645918 | 10 | 04/05/21 19:03 | 04/06/21 00:08 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1645423 | 1.01 | 04/03/21 20:22 | 04/04/21 16:25 | CMJ | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1645411 | 1.01 | 04/03/21 20:22 | 04/04/21 03:07 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1646016 | 1.01 | 04/03/21 20:22 | 04/05/21 20:11 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1645925 | 1 | 04/05/21 23:05 | 04/06/21 08:54 | CAG | Mt. Juliet, TN |

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 McCord
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Collected date/time: 04/01/21 11:00

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.9 | | 1 | 04/05/2021 08:25 | WG1645523 |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.40 | 20.4 | 1 | 04/05/2021 21:07 | WG1645918 |

3 Ss

4 Cn

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0222 | 0.102 | 1 | 04/04/2021 01:44 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/04/2021 01:44 | WG1645423 |

5 Sr

6 Qc

7 Gl

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000487 | 0.00104 | 1 | 04/03/2021 22:40 | WG1645411 |
| Toluene | U | | 0.00136 | 0.00521 | 1 | 04/03/2021 22:40 | WG1645411 |
| Ethylbenzene | U | | 0.000769 | 0.00261 | 1 | 04/03/2021 22:40 | WG1645411 |
| Total Xylenes | 0.00321 | J | 0.000918 | 0.00678 | 1 | 04/03/2021 22:40 | WG1645411 |
| (S) Toluene-d8 | 96.4 | | | 75.0-131 | | 04/03/2021 22:40 | WG1645411 |
| (S) 4-Bromofluorobenzene | 104 | | | 67.0-138 | | 04/03/2021 22:40 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 107 | | | 70.0-130 | | 04/03/2021 22:40 | WG1645411 |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.64 | 4.09 | 1 | 04/06/2021 06:52 | WG1645925 |
| C28-C40 Oil Range | 10.1 | | 0.280 | 4.09 | 1 | 04/06/2021 06:52 | WG1645925 |
| (S) o-Terphenyl | 60.5 | | | 18.0-148 | | 04/06/2021 06:52 | WG1645925 |

Collected date/time: 04/01/21 11:10

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.3 | | 1 | 04/05/2021 08:25 | WG1645523 |

¹ Cp² Tc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.86 | 21.4 | 1 | 04/05/2021 21:35 | WG1645918 |

³ Ss⁴ Cn

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0233 | 0.107 | 1 | 04/04/2021 03:06 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/04/2021 03:06 | WG1645423 |

⁵ Sr⁶ Qc⁷ Gl

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000534 | 0.00114 | 1 | 04/03/2021 22:59 | WG1645411 |
| Toluene | U | | 0.00149 | 0.00572 | 1 | 04/03/2021 22:59 | WG1645411 |
| Ethylbenzene | U | | 0.000843 | 0.00286 | 1 | 04/03/2021 22:59 | WG1645411 |
| Total Xylenes | U | | 0.00101 | 0.00743 | 1 | 04/03/2021 22:59 | WG1645411 |
| (S) Toluene-d8 | 98.3 | | | 75.0-131 | | 04/03/2021 22:59 | WG1645411 |
| (S) 4-Bromofluorobenzene | 97.7 | | | 67.0-138 | | 04/03/2021 22:59 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 88.4 | | | 70.0-130 | | 04/03/2021 22:59 | WG1645411 |

⁸ Al⁹ Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.73 | 4.29 | 1 | 04/06/2021 11:49 | WG1645925 |
| C28-C40 Oil Range | 10.5 | | 0.294 | 4.29 | 1 | 04/06/2021 11:49 | WG1645925 |
| (S) o-Terphenyl | 70.1 | | | 18.0-148 | | 04/06/2021 11:49 | WG1645925 |

Collected date/time: 04/01/21 11:20

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.6 | | 1 | 04/05/2021 08:25 | WG1645523 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.33 | 20.3 | 1 | 04/05/2021 21:45 | WG1645918 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.101 | 1 | 04/04/2021 03:29 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/04/2021 03:29 | WG1645423 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000480 | 0.00103 | 1 | 04/03/2021 23:18 | WG1645411 |
| Toluene | U | | 0.00134 | 0.00514 | 1 | 04/03/2021 23:18 | WG1645411 |
| Ethylbenzene | U | | 0.000758 | 0.00257 | 1 | 04/03/2021 23:18 | WG1645411 |
| Total Xylenes | U | | 0.000905 | 0.00668 | 1 | 04/03/2021 23:18 | WG1645411 |
| (S) Toluene-d8 | 96.3 | | | 75.0-131 | | 04/03/2021 23:18 | WG1645411 |
| (S) 4-Bromofluorobenzene | 98.8 | | | 67.0-138 | | 04/03/2021 23:18 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 98.7 | | | 70.0-130 | | 04/03/2021 23:18 | WG1645411 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.06 | 1 | 04/06/2021 11:22 | WG1645925 |
| C28-C40 Oil Range | 5.79 | B | 0.278 | 4.06 | 1 | 04/06/2021 11:22 | WG1645925 |
| (S) o-Terphenyl | 63.7 | | | 18.0-148 | | 04/06/2021 11:22 | WG1645925 |

Collected date/time: 04/01/21 11:30

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.4 | | 1 | 04/05/2021 08:25 | WG1645523 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.35 | 20.3 | 1 | 04/05/2021 21:54 | WG1645918 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1 | 04/04/2021 03:51 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/04/2021 03:51 | WG1645423 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000482 | 0.00103 | 1 | 04/03/2021 23:37 | WG1645411 |
| Toluene | U | | 0.00134 | 0.00516 | 1 | 04/03/2021 23:37 | WG1645411 |
| Ethylbenzene | U | | 0.000761 | 0.00258 | 1 | 04/03/2021 23:37 | WG1645411 |
| Total Xylenes | U | | 0.000909 | 0.00671 | 1 | 04/03/2021 23:37 | WG1645411 |
| (S) Toluene-d8 | 97.2 | | | 75.0-131 | | 04/03/2021 23:37 | WG1645411 |
| (S) 4-Bromofluorobenzene | 99.9 | | | 67.0-138 | | 04/03/2021 23:37 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 99.2 | | | 70.0-130 | | 04/03/2021 23:37 | WG1645411 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.64 | 4.06 | 1 | 04/06/2021 11:35 | WG1645925 |
| C28-C40 Oil Range | 7.64 | B | 0.278 | 4.06 | 1 | 04/06/2021 11:35 | WG1645925 |
| (S) o-Terphenyl | 62.5 | | | 18.0-148 | | 04/06/2021 11:35 | WG1645925 |

Collected date/time: 04/01/21 11:50

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.3 | | 1 | 04/05/2021 08:25 | WG1645523 |

¹ Cp² Tc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.27 | 20.2 | 1 | 04/05/2021 22:04 | WG1645918 |

³ Ss⁴ Cn

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1.01 | 04/04/2021 04:13 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/04/2021 04:13 | WG1645423 |

⁵ Sr⁶ Qc⁷ Gl

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000474 | 0.00101 | 1 | 04/03/2021 23:56 | WG1645411 |
| Toluene | U | | 0.00132 | 0.00507 | 1 | 04/03/2021 23:56 | WG1645411 |
| Ethylbenzene | U | | 0.000748 | 0.00254 | 1 | 04/03/2021 23:56 | WG1645411 |
| Total Xylenes | U | | 0.000893 | 0.00660 | 1 | 04/03/2021 23:56 | WG1645411 |
| (S) Toluene-d8 | 98.4 | | | 75.0-131 | | 04/03/2021 23:56 | WG1645411 |
| (S) 4-Bromofluorobenzene | 97.5 | | | 67.0-138 | | 04/03/2021 23:56 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 98.9 | | | 70.0-130 | | 04/03/2021 23:56 | WG1645411 |

⁸ Al⁹ Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.62 | 4.03 | 1 | 04/06/2021 08:40 | WG1645925 |
| C28-C40 Oil Range | 16.9 | | 0.276 | 4.03 | 1 | 04/06/2021 08:40 | WG1645925 |
| (S) o-Terphenyl | 65.8 | | | 18.0-148 | | 04/06/2021 08:40 | WG1645925 |

Collected date/time: 04/01/21 12:00

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 85.8 | | 1 | 04/05/2021 08:25 | WG1645523 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 10.7 | 23.3 | 1 | 04/05/2021 22:13 | WG1645918 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0255 | 0.118 | 1.01 | 04/05/2021 23:40 | WG1646056 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.2 | | | 77.0-120 | | 04/05/2021 23:40 | WG1646056 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000621 | 0.00133 | 1 | 04/04/2021 00:15 | WG1645411 |
| Toluene | U | | 0.00173 | 0.00665 | 1 | 04/04/2021 00:15 | WG1645411 |
| Ethylbenzene | 0.00153 | J | 0.000980 | 0.00332 | 1 | 04/04/2021 00:15 | WG1645411 |
| Total Xylenes | 0.00432 | J | 0.00117 | 0.00864 | 1 | 04/04/2021 00:15 | WG1645411 |
| (S) Toluene-d8 | 97.7 | | | 75.0-131 | | 04/04/2021 00:15 | WG1645411 |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 | | 04/04/2021 00:15 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/04/2021 00:15 | WG1645411 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.88 | 4.66 | 1 | 04/06/2021 13:37 | WG1645925 |
| C28-C40 Oil Range | 8.04 | B | 0.319 | 4.66 | 1 | 04/06/2021 13:37 | WG1645925 |
| (S) o-Terphenyl | 58.8 | | | 18.0-148 | | 04/06/2021 13:37 | WG1645925 |

Collected date/time: 04/01/21 12:10

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 99.2 | | 1 | 04/05/2021 08:25 | WG1645523 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | U | | 9.27 | 20.2 | 1 | 04/05/2021 22:42 | WG1645918 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0219 | 0.101 | 1 | 04/04/2021 09:27 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/04/2021 09:27 | WG1645423 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000474 | 0.00102 | 1 | 04/04/2021 00:34 | WG1645411 |
| Toluene | U | | 0.00132 | 0.00508 | 1 | 04/04/2021 00:34 | WG1645411 |
| Ethylbenzene | 0.000812 | J | 0.000748 | 0.00254 | 1 | 04/04/2021 00:34 | WG1645411 |
| Total Xylenes | 0.00105 | J | 0.000894 | 0.00660 | 1 | 04/04/2021 00:34 | WG1645411 |
| (S) Toluene-d8 | 99.1 | | | 75.0-131 | | 04/04/2021 00:34 | WG1645411 |
| (S) 4-Bromofluorobenzene | 100 | | | 67.0-138 | | 04/04/2021 00:34 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 95.0 | | | 70.0-130 | | 04/04/2021 00:34 | WG1645411 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.62 | 4.03 | 1 | 04/06/2021 07:46 | WG1645925 |
| C28-C40 Oil Range | 15.6 | | 0.276 | 4.03 | 1 | 04/06/2021 07:46 | WG1645925 |
| (S) o-Terphenyl | 68.4 | | | 18.0-148 | | 04/06/2021 07:46 | WG1645925 |

Collected date/time: 04/01/21 12:20

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.6 | | 1 | 04/05/2021 08:07 | WG1645524 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 10.3 | J | 9.24 | 20.1 | 1 | 04/05/2021 22:51 | WG1645918 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0218 | 0.100 | 1 | 04/04/2021 09:49 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 103 | | | 77.0-120 | | 04/04/2021 09:49 | WG1645423 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000471 | 0.00101 | 1 | 04/04/2021 00:53 | WG1645411 |
| Toluene | U | | 0.00131 | 0.00504 | 1 | 04/04/2021 00:53 | WG1645411 |
| Ethylbenzene | U | | 0.000744 | 0.00252 | 1 | 04/04/2021 00:53 | WG1645411 |
| Total Xylenes | U | | 0.000888 | 0.00656 | 1 | 04/04/2021 00:53 | WG1645411 |
| (S) Toluene-d8 | 99.1 | | | 75.0-131 | | 04/04/2021 00:53 | WG1645411 |
| (S) 4-Bromofluorobenzene | 104 | | | 67.0-138 | | 04/04/2021 00:53 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 99.4 | | | 70.0-130 | | 04/04/2021 00:53 | WG1645411 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 20.3 | | 1.62 | 4.02 | 1 | 04/06/2021 09:21 | WG1645925 |
| C28-C40 Oil Range | 27.1 | | 0.275 | 4.02 | 1 | 04/06/2021 09:21 | WG1645925 |
| (S) o-Terphenyl | 56.9 | | | 18.0-148 | | 04/06/2021 09:21 | WG1645925 |

Collected date/time: 04/01/21 13:00

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.5 | | 1 | 04/05/2021 08:07 | WG1645524 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.34 | 20.3 | 1 | 04/05/2021 23:01 | WG1645918 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.102 | 1 | 04/04/2021 10:11 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/04/2021 10:11 | WG1645423 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000481 | 0.00103 | 1 | 04/04/2021 01:13 | WG1645411 |
| Toluene | U | | 0.00134 | 0.00515 | 1 | 04/04/2021 01:13 | WG1645411 |
| Ethylbenzene | U | | 0.000759 | 0.00258 | 1 | 04/04/2021 01:13 | WG1645411 |
| Total Xylenes | U | | 0.000907 | 0.00670 | 1 | 04/04/2021 01:13 | WG1645411 |
| (S) Toluene-d8 | 96.4 | | | 75.0-131 | | 04/04/2021 01:13 | WG1645411 |
| (S) 4-Bromofluorobenzene | 100 | | | 67.0-138 | | 04/04/2021 01:13 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 106 | | | 70.0-130 | | 04/04/2021 01:13 | WG1645411 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.06 | 1 | 04/06/2021 11:08 | WG1645925 |
| C28-C40 Oil Range | 5.86 | B | 0.278 | 4.06 | 1 | 04/06/2021 11:08 | WG1645925 |
| (S) o-Terphenyl | 60.3 | | | 18.0-148 | | 04/06/2021 11:08 | WG1645925 |

Collected date/time: 04/01/21 13:10

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.9 | | 1 | 04/05/2021 08:07 | WG1645524 |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 9.59 | J | 9.31 | 20.2 | 1 | 04/05/2021 23:20 | WG1645918 |

3 Ss

4 Cn

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.101 | 1 | 04/04/2021 11:52 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/04/2021 11:52 | WG1645423 |

5 Sr

6 Qc

7 Gl

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000483 | 0.00103 | 1.01 | 04/04/2021 01:32 | WG1645411 |
| Toluene | U | | 0.00134 | 0.00517 | 1.01 | 04/04/2021 01:32 | WG1645411 |
| Ethylbenzene | U | | 0.000761 | 0.00259 | 1.01 | 04/04/2021 01:32 | WG1645411 |
| Total Xylenes | U | | 0.000910 | 0.00671 | 1.01 | 04/04/2021 01:32 | WG1645411 |
| (S) Toluene-d8 | 97.9 | | | 75.0-131 | | 04/04/2021 01:32 | WG1645411 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 | | 04/04/2021 01:32 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 108 | | | 70.0-130 | | 04/04/2021 01:32 | WG1645411 |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 8.39 | | 1.63 | 4.05 | 1 | 04/06/2021 09:35 | WG1645925 |
| C28-C40 Oil Range | 18.4 | | 0.277 | 4.05 | 1 | 04/06/2021 09:35 | WG1645925 |
| (S) o-Terphenyl | 56.4 | | | 18.0-148 | | 04/06/2021 09:35 | WG1645925 |

Collected date/time: 04/01/21 13:20

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.1 | | 1 | 04/05/2021 08:07 | WG1645524 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.38 | 20.4 | 1 | 04/05/2021 23:30 | WG1645918 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1 | 04/04/2021 14:55 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/04/2021 14:55 | WG1645423 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000485 | 0.00104 | 1 | 04/04/2021 01:51 | WG1645411 |
| Toluene | U | | 0.00135 | 0.00519 | 1 | 04/04/2021 01:51 | WG1645411 |
| Ethylbenzene | U | | 0.000766 | 0.00260 | 1 | 04/04/2021 01:51 | WG1645411 |
| Total Xylenes | U | | 0.000914 | 0.00675 | 1 | 04/04/2021 01:51 | WG1645411 |
| (S) Toluene-d8 | 97.9 | | | 75.0-131 | | 04/04/2021 01:51 | WG1645411 |
| (S) 4-Bromofluorobenzene | 96.3 | | | 67.0-138 | | 04/04/2021 01:51 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 98.8 | | | 70.0-130 | | 04/04/2021 01:51 | WG1645411 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 7.58 | | 1.64 | 4.08 | 1 | 04/06/2021 13:51 | WG1645925 |
| C28-C40 Oil Range | 14.1 | | 0.279 | 4.08 | 1 | 04/06/2021 13:51 | WG1645925 |
| (S) o-Terphenyl | 67.5 | | | 18.0-148 | | 04/06/2021 13:51 | WG1645925 |

Collected date/time: 04/01/21 14:00

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.1 | | 1 | 04/05/2021 08:07 | WG1645524 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 2240 | | 94.7 | 206 | 10 | 04/05/2021 23:39 | WG1645918 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 266 | | 1.15 | 5.30 | 50 | 04/06/2021 02:02 | WG1646056 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.4 | | | 77.0-120 | | 04/06/2021 02:02 | WG1646056 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000495 | 0.00106 | 1 | 04/04/2021 02:10 | WG1645411 |
| Toluene | 0.182 | | 0.00138 | 0.00530 | 1 | 04/04/2021 02:10 | WG1645411 |
| Ethylbenzene | 2.14 | | 0.000781 | 0.00265 | 1 | 04/04/2021 02:10 | WG1645411 |
| Total Xylenes | 4.74 | | 0.000932 | 0.00688 | 1 | 04/04/2021 02:10 | WG1645411 |
| (S) Toluene-d8 | 90.8 | | | 75.0-131 | | 04/04/2021 02:10 | WG1645411 |
| (S) 4-Bromofluorobenzene | 149 | J1 | | 67.0-138 | | 04/04/2021 02:10 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 109 | | | 70.0-130 | | 04/04/2021 02:10 | WG1645411 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1710 | | 16.6 | 41.2 | 10 | 04/06/2021 14:04 | WG1645925 |
| C28-C40 Oil Range | 1020 | | 2.82 | 41.2 | 10 | 04/06/2021 14:04 | WG1645925 |
| (S) o-Terphenyl | 183 | J1 | | 18.0-148 | | 04/06/2021 14:04 | WG1645925 |

Sample Narrative:

L1334083-12 WG1645925: Surrogate failure due to matrix interference

Collected date/time: 04/01/21 14:10

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.5 | | 1 | 04/05/2021 08:07 | WG1645524 |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 5670 | | 98.3 | 214 | 10 | 04/05/2021 23:49 | WG1645918 |

3 Ss

4 Cn

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0793 | J | 0.0232 | 0.107 | 1 | 04/06/2021 00:09 | WG1646056 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.2 | | | 77.0-120 | | 04/06/2021 00:09 | WG1646056 |

5 Sr

6 Qc

7 Gl

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | 0.00199 | | 0.000531 | 0.00114 | 1 | 04/05/2021 19:34 | WG1646016 |
| Toluene | 0.0755 | | 0.00148 | 0.00569 | 1 | 04/05/2021 19:34 | WG1646016 |
| Ethylbenzene | 0.138 | | 0.000839 | 0.00284 | 1 | 04/05/2021 19:34 | WG1646016 |
| Total Xylenes | 0.266 | | 0.00100 | 0.00740 | 1 | 04/05/2021 19:34 | WG1646016 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/05/2021 19:34 | WG1646016 |
| (S) 4-Bromofluorobenzene | 96.7 | | | 67.0-138 | | 04/05/2021 19:34 | WG1646016 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/05/2021 19:34 | WG1646016 |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 4.09 | J | 1.72 | 4.28 | 1 | 04/06/2021 12:16 | WG1645925 |
| C28-C40 Oil Range | 9.60 | B | 0.293 | 4.28 | 1 | 04/06/2021 12:16 | WG1645925 |
| (S) o-Terphenyl | 64.8 | | | 18.0-148 | | 04/06/2021 12:16 | WG1645925 |

Collected date/time: 04/01/21 14:20

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 88.7 | | 1 | 04/05/2021 08:07 | WG1645524 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 3710 | | 104 | 226 | 10 | 04/05/2021 23:58 | WG1645918 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0565 | J | 0.0245 | 0.113 | 1 | 04/04/2021 16:03 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | | 77.0-120 | | 04/04/2021 16:03 | WG1645423 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000586 | 0.00125 | 1 | 04/04/2021 02:48 | WG1645411 |
| Toluene | U | | 0.00163 | 0.00627 | 1 | 04/04/2021 02:48 | WG1645411 |
| Ethylbenzene | 0.00462 | | 0.000925 | 0.00314 | 1 | 04/05/2021 19:52 | WG1646016 |
| Total Xylenes | 0.0133 | | 0.00110 | 0.00816 | 1 | 04/05/2021 19:52 | WG1646016 |
| (S) Toluene-d8 | 98.0 | | | 75.0-131 | | 04/04/2021 02:48 | WG1645411 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/05/2021 19:52 | WG1646016 |
| (S) 4-Bromofluorobenzene | 100 | | | 67.0-138 | | 04/04/2021 02:48 | WG1645411 |
| (S) 4-Bromofluorobenzene | 99.1 | | | 67.0-138 | | 04/05/2021 19:52 | WG1646016 |
| (S) 1,2-Dichloroethane-d4 | 95.1 | | | 70.0-130 | | 04/04/2021 02:48 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 04/05/2021 19:52 | WG1646016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.37 | J | 1.82 | 4.51 | 1 | 04/06/2021 08:13 | WG1645925 |
| C28-C40 Oil Range | 13.0 | | 0.309 | 4.51 | 1 | 04/06/2021 08:13 | WG1645925 |
| (S) o-Terphenyl | 63.4 | | | 18.0-148 | | 04/06/2021 08:13 | WG1645925 |

Collected date/time: 04/01/21 14:30

L1334083

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 89.3 | | 1 | 04/05/2021 08:07 | WG1645524 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 1210 | | 103 | 224 | 10 | 04/06/2021 00:08 | WG1645918 |

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

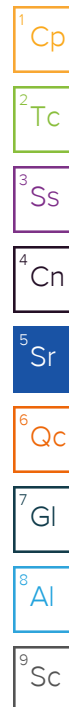
| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0923 | J | 0.0245 | 0.113 | 1.01 | 04/04/2021 16:25 | WG1645423 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | | 77.0-120 | | 04/04/2021 16:25 | WG1645423 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000585 | 0.00125 | 1.01 | 04/04/2021 03:07 | WG1645411 |
| Toluene | U | | 0.00162 | 0.00625 | 1.01 | 04/04/2021 03:07 | WG1645411 |
| Ethylbenzene | U | | 0.000921 | 0.00313 | 1.01 | 04/04/2021 03:07 | WG1645411 |
| Total Xylenes | 0.00422 | J | 0.00110 | 0.00812 | 1.01 | 04/05/2021 20:11 | WG1646016 |
| (S) Toluene-d8 | 97.9 | | | 75.0-131 | | 04/04/2021 03:07 | WG1645411 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/05/2021 20:11 | WG1646016 |
| (S) 4-Bromofluorobenzene | 99.9 | | | 67.0-138 | | 04/04/2021 03:07 | WG1645411 |
| (S) 4-Bromofluorobenzene | 96.4 | | | 67.0-138 | | 04/05/2021 20:11 | WG1646016 |
| (S) 1,2-Dichloroethane-d4 | 97.0 | | | 70.0-130 | | 04/04/2021 03:07 | WG1645411 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/05/2021 20:11 | WG1646016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 59.2 | | 1.80 | 4.48 | 1 | 04/06/2021 08:54 | WG1645925 |
| C28-C40 Oil Range | 45.3 | | 0.307 | 4.48 | 1 | 04/06/2021 08:54 | WG1645925 |
| (S) o-Terphenyl | 56.0 | | | 18.0-148 | | 04/06/2021 08:54 | WG1645925 |



Total Solids by Method 2540 G-2011 [L1334083-01,02,03,04,05,06,07](#)

Method Blank (MB)

(MB) R3638408-1 04/05/21 08:25

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1334083-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1334083-01 04/05/21 08:25 • (DUP) R3638408-3 04/05/21 08:25

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 97.9 | 98.0 | 1 | 0.0785 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3638408-2 04/05/21 08:25

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 99.9 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1334083-08,09,10,11,12,13,14,15](#)

Method Blank (MB)

(MB) R3638405-1 04/05/21 08:07

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1334083-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1334083-08 04/05/21 08:07 • (DUP) R3638405-3 04/05/21 08:07

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|----------|---------------|----------------|
| Total Solids | 99.6 | 99.6 | 1 | 0.000502 | | 10 |

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3638405-2 04/05/21 08:07

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁹Sc

Wet Chemistry by Method 300.0

[L1334083-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15](#)

Method Blank (MB)

(MB) R3638456-1 04/05/21 20:21

| Analyte | MB Result mg/kg | <u>MB Qualifier</u> | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|---------------------|-----------------|-----------------|
| Chloride | U | | 9.20 | 20.0 |

L1334083-09 Original Sample (OS) • Duplicate (DUP)

(OS) L1334083-09 04/05/21 23:01 • (DUP) R3638456-5 04/05/21 23:10

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | <u>DUP Qualifier</u> | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|----------------------|------------------------|
| Chloride | U | U | 1 | 0.000 | | 20 |

L1333244-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1333244-02 04/06/21 00:46 • (DUP) R3638456-6 04/06/21 00:55

| Analyte | Original Result mg/kg | DUP Result mg/kg | Dilution | DUP RPD % | <u>DUP Qualifier</u> | DUP RPD Limits % |
|----------|--------------------------|---------------------|----------|--------------|----------------------|------------------------|
| Chloride | U | 9.36 | 1 | 200 | <u>J P1</u> | 20 |

Laboratory Control Sample (LCS)

(LCS) R3638456-2 04/05/21 20:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | <u>LCS Qualifier</u> |
|----------|-----------------------|---------------------|---------------|------------------|----------------------|
| Chloride | 200 | 203 | 101 | 90.0-110 | |

L1334083-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1334083-01 04/05/21 21:07 • (MS) R3638456-3 04/05/21 21:16 • (MSD) R3638456-4 04/05/21 21:26

| 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 % | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD % | RPD Limits % |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Chloride | 511 | U | 500 | 510 | 97.9 | 99.9 | 1 | 80.0-120 | | | 2.02 | 20 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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

[L1334083-01,02,03,04,05,07,08,09,10,11,14,15](#)

Method Blank (MB)

(MB) R3638407-2 04/04/21 01:16

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

Laboratory Control Sample (LCS)

(LCS) R3638407-1 04/04/21 00:32

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.05 | 91.8 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 96.1 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

[L1334083-06,12,13](#)

Method Blank (MB)

(MB) R3638421-2 04/05/21 19:29

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3638421-1 04/05/21 18:13

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 4.80 | 87.3 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 103 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3638064-3 04/03/21 19:09

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 96.8 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 97.7 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 98.9 | | | 70.0-130 |

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

(LCS) R3638064-1 04/03/21 17:53 • (LCSD) R3638064-2 04/03/21 18:11

| 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 | 0.147 | 0.147 | 118 | 118 | 70.0-123 | | | 0.000 | 20 |
| Ethylbenzene | 0.125 | 0.119 | 0.123 | 95.2 | 98.4 | 74.0-126 | | | 3.31 | 20 |
| Toluene | 0.125 | 0.117 | 0.121 | 93.6 | 96.8 | 75.0-121 | | | 3.36 | 20 |
| Xylenes, Total | 0.375 | 0.369 | 0.367 | 98.4 | 97.9 | 72.0-127 | | | 0.543 | 20 |
| (S) Toluene-d8 | | | | 93.1 | 95.0 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 105 | 103 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 110 | 109 | 70.0-130 | | | | |

L1333580-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1333580-02 04/04/21 04:42 • (MS) R3638064-4 04/04/21 05:01 • (MSD) R3638064-5 04/04/21 05:20

| 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 % |
|---------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.124 | U | 0.182 | 0.170 | 147 | 137 | 1 | 10.0-149 | | | 6.82 | 37 |
| Ethylbenzene | 0.124 | 0.00309 | 0.162 | 0.163 | 128 | 129 | 1 | 10.0-160 | | | 0.615 | 38 |
| Toluene | 0.124 | U | 0.151 | 0.153 | 122 | 123 | 1 | 10.0-156 | | | 1.32 | 38 |
| Xylenes, Total | 0.372 | 0.0188 | 0.529 | 0.545 | 137 | 141 | 1 | 10.0-160 | | | 2.98 | 38 |
| (S) Toluene-d8 | | | | | 94.0 | 96.2 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 107 | 106 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 104 | 103 | | 70.0-130 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3638503-3 04/05/21 10:40

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 110 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 94.2 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 106 | | | 70.0-130 |

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

(LCS) R3638503-1 04/05/21 09:24 • (LCSD) R3638503-2 04/05/21 09:43

| 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 | 0.125 | 0.129 | 100 | 103 | 70.0-123 | | | 3.15 | 20 |
| Ethylbenzene | 0.125 | 0.119 | 0.121 | 95.2 | 96.8 | 74.0-126 | | | 1.67 | 20 |
| Toluene | 0.125 | 0.121 | 0.127 | 96.8 | 102 | 75.0-121 | | | 4.84 | 20 |
| Xylenes, Total | 0.375 | 0.373 | 0.370 | 99.5 | 98.7 | 72.0-127 | | | 0.808 | 20 |
| (S) Toluene-d8 | | | | 102 | 103 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 106 | 97.6 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 111 | 111 | 70.0-130 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1334083-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15](#)

Method Blank (MB)

(MB) R3638606-1 04/06/21 06:25

| 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-C40 Oil Range | 0.979 | ⬇ | 0.274 | 4.00 |
| (S) o-Terphenyl | 62.0 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3638606-2 04/06/21 06:38

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 32.5 | 65.0 | 50.0-150 | |
| (S) o-Terphenyl | | | 79.9 | 18.0-148 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Guide to Reading and Understanding Your Laboratory Report

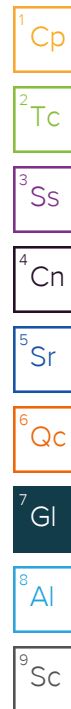
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits. |
| P1 | RPD value not applicable for sample concentrations less than 5 times the reporting limit. |



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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Analysis Request of Chain of Custody Record

Page: 1 of 2

| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|------------------------------|---|------|--|------|----------------------------|------------------|---------------------|------|-----------------------|---|-----------|-----------|-------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|---|----------------------|-----------|------|--|--|--|--|
|  <b style="font-size: 1.2em;">Tetra Tech, Inc. | | 901 West Wall Street, Suite 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 | | <div style="font-size: 1.5em; font-weight: bold;">L1334083</div> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Client Name: Conoco Phillips | | Site Manager: Christian Llull | | ANALYSIS REQUEST (Circle or Specify Method No.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Name: COP MCA 151 Flowline release | | Contact Info: Email: christian.llull@tetratech.com Phone: (512) 338-1667 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Project Location: (county, state) Lea County, New Mexico | | Project #: 212C-MD-02471 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Invoice to: Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Receiving Laboratory: Pace Analytical | | Sampler Signature: Adrian | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Comments: COPTETRA Acctnum | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING YEAR: 2020 | | MATRIX | | PRESERVATIVE METHOD | | # CONTAINERS | | FILTERED (Y/N) | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | | | BTX 8021B | BTX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD | | | | |
| | AH 11 (0-1') | 4/1/2021 | 1100 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |
| | AH 12 (0-1') | 4/1/2021 | 1110 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |
| | AH 13 (0-1') | 4/1/2021 | 1120 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |
| | AH 14 (0-1') | 4/1/2021 | 1130 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |
| | AH 15 (0-1') | 4/1/2021 | 1150 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |
| | AH 16 (0-1') | 4/1/2021 | 1200 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |
| | AH 17 (0-1') | 4/1/2021 | 1210 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |
| | AH 18 (0-1') | 4/1/2021 | 1220 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |
| | AH-19 (0-1') | 4/1/2021 | 1300 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |
| | AH-20 (0-1') | 4/1/2021 | 1310 | X | | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | |

Relinquished by: *Adrian Llull* Date: 4/1/21 Time: 12:00

Relinquished by: *SWA* Date: 4-2-21 Time: 13:30

Relinquished by: *SWA* Date: 4/3/21 Time: 1015

Received by: *SWA* Date: 4-2-21 Time: 12:11

Received by: *SWA* Date: 4-2-21 Time: 13:30

Received by: *SWA* Date: 4/3/21 Time: 1015

LAB USE ONLY

Sample Temperature: 26-1-2.5 KH A3

REMARKS:

☐ Standard

☒ RUSH: Same Day 24 hr. 48 hr. 72 hr.

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N If Applicable

COC Signed/Accurate: ☒ Y ☐ N VOA Zero Headspace: ☐ Y ☐ N

Bottles arrive intact: ☒ Y ☐ N Pres. Correct/Check: ☐ Y ☐ N

Correct bottles used: ☒ Y ☐ N

Sufficient volume sent: ☒ Y ☐ N

PAD Screen <0.5 mR/hr: ☒ Y ☐ N

ORIGINAL COPY

C078

Page : 2 of 2

Released to Imaging: 8/3/2021 8:43:52 AM



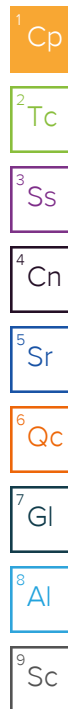
ANALYTICAL REPORT

April 09, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1335085
Samples Received: 04/07/2021
Project Number: 212C-MD-02471
Description: COP MCA 151 Flowline Release

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

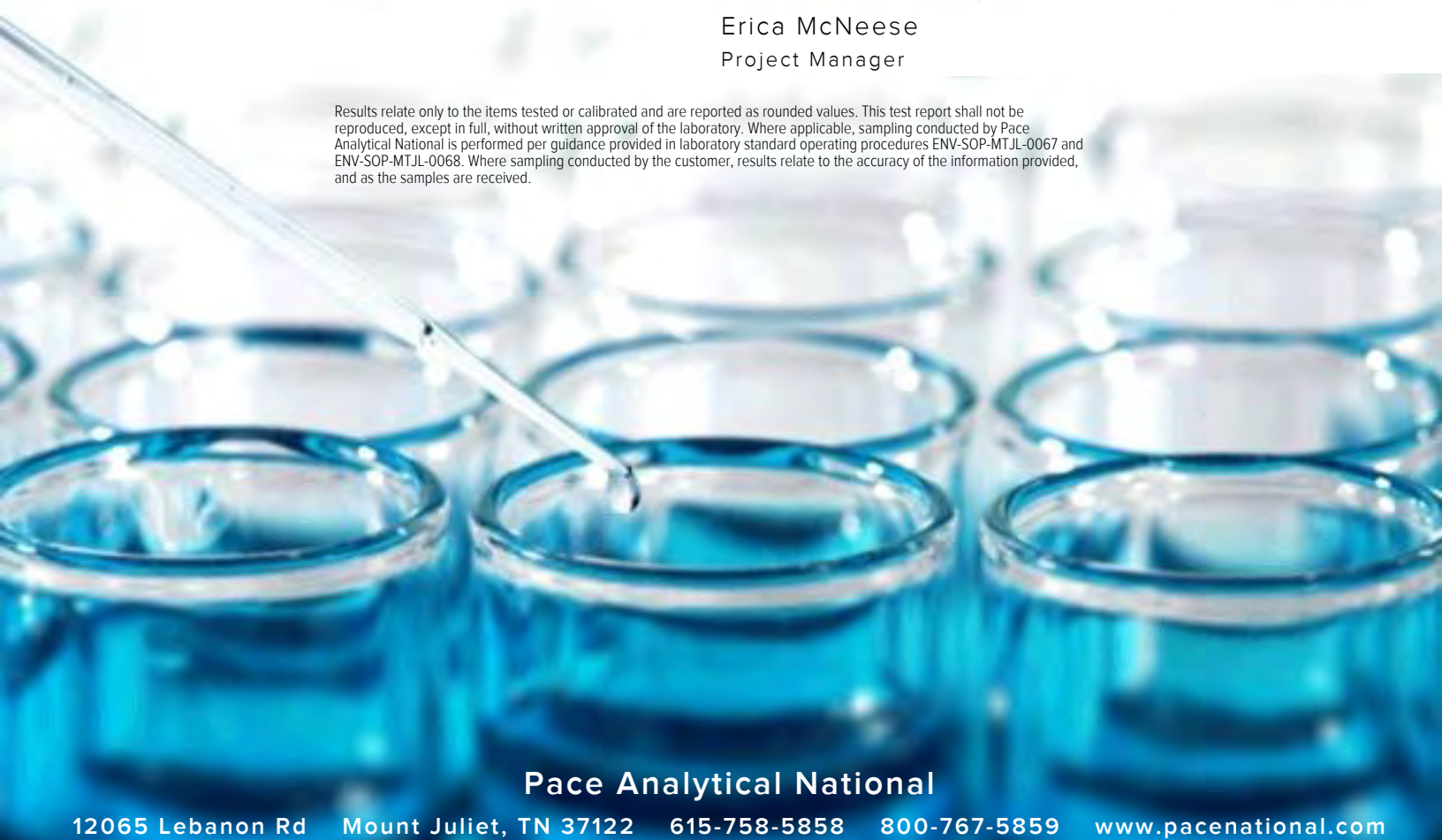


Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Erica McNeese".

Erica McNeese
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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| Cn: Case Narrative | 6 |
| Sr: Sample Results | 7 |
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| AH 24 (1.5-2') L1335085-02 | 8 |
| AH 24 (2.5-3') L1335085-03 | 9 |
| AH 24 (3.5-4') L1335085-04 | 10 |
| AH 25 (0.5-1') L1335085-05 | 11 |
| AH 25 (1.5-2') L1335085-06 | 12 |
| AH 25 (2.5-3') L1335085-07 | 13 |
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| |
|-----------------|
| ¹ Cp |
| ² Tc |
| ³ Ss |
| ⁴ Cn |
| ⁵ Sr |
| ⁶ Qc |
| ⁷ Gl |
| ⁸ Al |
| ⁹ Sc |

AH 24 (0.5-1') L1335085-01 Solid

Collected by
Adrian

Collected date/time
04/05/21 11:00

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647314 | 1 | 04/08/21 08:27 | 04/08/21 08:35 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 5 | 04/07/21 19:19 | 04/08/21 02:51 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647356 | 1 | 04/07/21 11:55 | 04/08/21 17:29 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 1 | 04/07/21 11:55 | 04/07/21 14:35 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 1 | 04/07/21 20:40 | 04/08/21 06:39 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

AH 24 (1.5-2') L1335085-02 Solid

Collected by
Adrian

Collected date/time
04/05/21 11:10

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647314 | 1 | 04/08/21 08:27 | 04/08/21 08:35 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 10 | 04/07/21 19:19 | 04/08/21 03:00 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647356 | 1 | 04/07/21 11:55 | 04/08/21 17:51 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 1 | 04/07/21 11:55 | 04/07/21 14:54 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 1 | 04/07/21 20:40 | 04/08/21 07:34 | CAG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

AH 24 (2.5-3') L1335085-03 Solid

Collected by
Adrian

Collected date/time
04/05/21 11:20

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647314 | 1 | 04/08/21 08:27 | 04/08/21 08:35 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 1 | 04/07/21 19:19 | 04/08/21 03:10 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647356 | 1 | 04/07/21 11:55 | 04/08/21 18:13 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 1 | 04/07/21 11:55 | 04/07/21 15:13 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 1 | 04/07/21 20:40 | 04/08/21 06:53 | CAG | Mt. Juliet, TN |

⁹ Sc

AH 24 (3.5-4') L1335085-04 Solid

Collected by
Adrian

Collected date/time
04/05/21 11:30

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647314 | 1 | 04/08/21 08:27 | 04/08/21 08:35 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 1 | 04/07/21 19:19 | 04/08/21 03:19 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647356 | 1 | 04/07/21 11:55 | 04/08/21 18:35 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 1 | 04/07/21 11:55 | 04/07/21 15:32 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 1 | 04/07/21 20:40 | 04/08/21 07:07 | CAG | Mt. Juliet, TN |

AH 25 (0.5-1') L1335085-05 Solid

Collected by
Adrian

Collected date/time
04/05/21 11:50

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647314 | 1 | 04/08/21 08:27 | 04/08/21 08:35 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 1 | 04/07/21 19:19 | 04/08/21 03:29 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647356 | 500 | 04/07/21 11:55 | 04/08/21 20:03 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 40 | 04/07/21 11:55 | 04/07/21 15:51 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 20 | 04/07/21 20:40 | 04/08/21 17:33 | DMG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 40 | 04/07/21 20:40 | 04/09/21 10:58 | DMG | Mt. Juliet, TN |

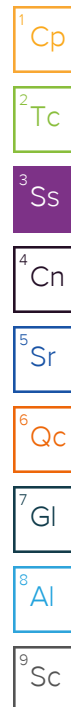
AH 25 (1.5-2') L1335085-06 Solid

Collected by
Adrian

Collected date/time
04/05/21 12:00

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647314 | 1 | 04/08/21 08:27 | 04/08/21 08:35 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 1 | 04/07/21 19:19 | 04/08/21 03:38 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647356 | 1 | 04/07/21 11:55 | 04/08/21 18:57 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 1 | 04/07/21 11:55 | 04/07/21 16:10 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 1 | 04/07/21 20:40 | 04/08/21 07:48 | CAG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 2 | 04/07/21 20:40 | 04/08/21 16:10 | DMG | Mt. Juliet, TN |



AH 25 (2.5-3') L1335085-07 Solid

Collected by
Adrian

Collected date/time
04/05/21 12:10

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647314 | 1 | 04/08/21 08:27 | 04/08/21 08:35 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 1 | 04/07/21 19:19 | 04/08/21 03:48 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647356 | 1 | 04/07/21 11:55 | 04/08/21 19:19 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 1 | 04/07/21 11:55 | 04/07/21 16:29 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 10 | 04/07/21 20:40 | 04/08/21 17:05 | DMG | Mt. Juliet, TN |

AH 25 (3.5-4') L1335085-08 Solid

Collected by
Adrian

Collected date/time
04/05/21 12:20

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647315 | 1 | 04/08/21 10:15 | 04/08/21 10:22 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 1 | 04/07/21 19:19 | 04/08/21 04:26 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647356 | 1 | 04/07/21 11:55 | 04/08/21 19:41 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 1 | 04/07/21 11:55 | 04/07/21 16:48 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 1 | 04/07/21 20:40 | 04/08/21 08:01 | CAG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 2 | 04/07/21 20:40 | 04/08/21 16:24 | DMG | Mt. Juliet, TN |

AH-26 (0.5-1') L1335085-09 Solid

Collected by
Adrian

Collected date/time
04/05/21 13:00

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647315 | 1 | 04/08/21 10:15 | 04/08/21 10:22 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 1 | 04/07/21 19:19 | 04/08/21 03:57 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647356 | 500 | 04/07/21 11:55 | 04/08/21 20:25 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 40 | 04/07/21 11:55 | 04/07/21 17:07 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 100 | 04/07/21 20:40 | 04/09/21 11:12 | DMG | Mt. Juliet, TN |

AH-26 (1.5-2') L1335085-10 Solid

Collected by
Adrian

Collected date/time
04/05/21 13:10

Received date/time
04/07/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647315 | 1 | 04/08/21 10:15 | 04/08/21 10:22 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 1 | 04/07/21 19:19 | 04/08/21 05:04 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647962 | 1 | 04/07/21 11:55 | 04/08/21 15:16 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648533 | 1 | 04/07/21 11:55 | 04/09/21 13:08 | ADM | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 1 | 04/07/21 20:40 | 04/08/21 07:20 | CAG | Mt. Juliet, TN |

AH-26 (2.5-3") L1335085-11 Solid

Collected by
AdrianCollected date/time
04/05/21 13:20Received date/time
04/07/21 08:00

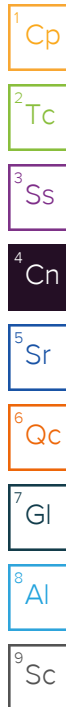
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647315 | 1 | 04/08/21 10:15 | 04/08/21 10:22 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1647337 | 1 | 04/07/21 19:19 | 04/08/21 05:13 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1647962 | 1 | 04/07/21 11:55 | 04/08/21 15:40 | TPR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1647278 | 1 | 04/07/21 11:55 | 04/07/21 17:45 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1647213 | 10 | 04/07/21 20:40 | 04/08/21 17:19 | DMG | Mt. Juliet, TN |

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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.



Erica McNeese
Project Manager



Collected date/time: 04/05/21 11:00

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.3 | | 1 | 04/08/2021 08:35 | WG1647314 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1470 | | 47.3 | 103 | 5 | 04/08/2021 02:51 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0416 | <u>J</u> | 0.0223 | 0.103 | 1 | 04/08/2021 17:29 | WG1647356 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/08/2021 17:29 | WG1647356 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.000949 | <u>J</u> | 0.000493 | 0.00105 | 1 | 04/07/2021 14:35 | WG1647278 |
| Toluene | 0.00322 | <u>J</u> | 0.00137 | 0.00527 | 1 | 04/07/2021 14:35 | WG1647278 |
| Ethylbenzene | 0.00446 | | 0.000777 | 0.00264 | 1 | 04/07/2021 14:35 | WG1647278 |
| Total Xylenes | 0.0193 | | 0.000928 | 0.00686 | 1 | 04/07/2021 14:35 | WG1647278 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/07/2021 14:35 | WG1647278 |
| (S) 4-Bromofluorobenzene | 97.6 | | | 67.0-138 | | 04/07/2021 14:35 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 107 | | | 70.0-130 | | 04/07/2021 14:35 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 9.75 | <u>B</u> | 1.65 | 4.11 | 1 | 04/08/2021 06:39 | WG1647213 |
| C28-C40 Oil Range | 12.4 | <u>B</u> | 0.281 | 4.11 | 1 | 04/08/2021 06:39 | WG1647213 |
| (S) o-Terphenyl | 55.6 | | | 18.0-148 | | 04/08/2021 06:39 | WG1647213 |

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

Collected date/time: 04/05/21 11:10

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.6 | | 1 | 04/08/2021 08:35 | WG1647314 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 3710 | | 98.3 | 214 | 10 | 04/08/2021 03:00 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0453 | J | 0.0232 | 0.107 | 1 | 04/08/2021 17:51 | WG1647356 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | | 77.0-120 | | 04/08/2021 17:51 | WG1647356 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000531 | 0.00114 | 1 | 04/07/2021 14:54 | WG1647278 |
| Toluene | U | | 0.00148 | 0.00568 | 1 | 04/07/2021 14:54 | WG1647278 |
| Ethylbenzene | 0.00171 | J | 0.000838 | 0.00284 | 1 | 04/07/2021 14:54 | WG1647278 |
| Total Xylenes | 0.00608 | J | 0.00100 | 0.00739 | 1 | 04/07/2021 14:54 | WG1647278 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/07/2021 14:54 | WG1647278 |
| (S) 4-Bromofluorobenzene | 93.9 | | | 67.0-138 | | 04/07/2021 14:54 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 98.4 | | | 70.0-130 | | 04/07/2021 14:54 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 26.9 | | 1.72 | 4.27 | 1 | 04/08/2021 07:34 | WG1647213 |
| C28-C40 Oil Range | 32.9 | | 0.293 | 4.27 | 1 | 04/08/2021 07:34 | WG1647213 |
| (S) o-Terphenyl | 48.4 | | | 18.0-148 | | 04/08/2021 07:34 | WG1647213 |

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

Collected date/time: 04/05/21 11:20

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.0 | | 1 | 04/08/2021 08:35 | WG1647314 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.59 | 20.8 | 1 | 04/08/2021 03:10 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0226 | 0.104 | 1 | 04/08/2021 18:13 | WG1647356 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | | 77.0-120 | | 04/08/2021 18:13 | WG1647356 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.00238 | | 0.000506 | 0.00108 | 1 | 04/07/2021 15:13 | WG1647278 |
| Toluene | U | | 0.00141 | 0.00542 | 1 | 04/07/2021 15:13 | WG1647278 |
| Ethylbenzene | U | | 0.000799 | 0.00271 | 1 | 04/07/2021 15:13 | WG1647278 |
| Total Xylenes | 0.00155 | J | 0.000954 | 0.00705 | 1 | 04/07/2021 15:13 | WG1647278 |
| (S) Toluene-d8 | 113 | | | 75.0-131 | | 04/07/2021 15:13 | WG1647278 |
| (S) 4-Bromofluorobenzene | 93.8 | | | 67.0-138 | | 04/07/2021 15:13 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 88.4 | | | 70.0-130 | | 04/07/2021 15:13 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.77 | B J | 1.68 | 4.17 | 1 | 04/08/2021 06:53 | WG1647213 |
| C28-C40 Oil Range | 3.29 | B J | 0.285 | 4.17 | 1 | 04/08/2021 06:53 | WG1647213 |
| (S) o-Terphenyl | 57.8 | | | 18.0-148 | | 04/08/2021 06:53 | WG1647213 |



Collected date/time: 04/05/21 11:30

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.2 | | 1 | 04/08/2021 08:35 | WG1647314 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 15.2 | J | 9.66 | 21.0 | 1 | 04/08/2021 03:19 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0228 | 0.105 | 1 | 04/08/2021 18:35 | WG1647356 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/08/2021 18:35 | WG1647356 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000514 | 0.00110 | 1 | 04/07/2021 15:32 | WG1647278 |
| Toluene | U | | 0.00143 | 0.00551 | 1 | 04/07/2021 15:32 | WG1647278 |
| Ethylbenzene | U | | 0.000811 | 0.00275 | 1 | 04/07/2021 15:32 | WG1647278 |
| Total Xylenes | 0.00152 | J | 0.000969 | 0.00716 | 1 | 04/07/2021 15:32 | WG1647278 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/07/2021 15:32 | WG1647278 |
| (S) 4-Bromofluorobenzene | 93.4 | | | 67.0-138 | | 04/07/2021 15:32 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 97.5 | | | 70.0-130 | | 04/07/2021 15:32 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.81 | B J | 1.69 | 4.20 | 1 | 04/08/2021 07:07 | WG1647213 |
| C28-C40 Oil Range | 3.11 | B J | 0.288 | 4.20 | 1 | 04/08/2021 07:07 | WG1647213 |
| (S) o-Terphenyl | 50.9 | | | 18.0-148 | | 04/08/2021 07:07 | WG1647213 |

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

Collected date/time: 04/05/21 11:50

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.7 | | 1 | 04/08/2021 08:35 | WG1647314 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 397 | | 9.42 | 20.5 | 1 | 04/08/2021 03:29 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 1250 | | 11.4 | 52.4 | 500 | 04/08/2021 20:03 | WG1647356 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/08/2021 20:03 | WG1647356 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.0196 | 0.0419 | 40 | 04/07/2021 15:51 | WG1647278 |
| Toluene | 1.21 | | 0.0545 | 0.210 | 40 | 04/07/2021 15:51 | WG1647278 |
| Ethylbenzene | 12.4 | | 0.0309 | 0.105 | 40 | 04/07/2021 15:51 | WG1647278 |
| Total Xylenes | 23.7 | | 0.0369 | 0.272 | 40 | 04/07/2021 15:51 | WG1647278 |
| (S) Toluene-d8 | 114 | | | 75.0-131 | | 04/07/2021 15:51 | WG1647278 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 | | 04/07/2021 15:51 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 04/07/2021 15:51 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 6550 | | 33.0 | 81.9 | 20 | 04/08/2021 17:33 | WG1647213 |
| C28-C40 Oil Range | 3600 | | 11.3 | 164 | 40 | 04/09/2021 10:58 | WG1647213 |
| (S) o-Terphenyl | 694 | J7 | | 18.0-148 | | 04/08/2021 17:33 | WG1647213 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/09/2021 10:58 | WG1647213 |

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

Collected date/time: 04/05/21 12:00

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.6 | | 1 | 04/08/2021 08:35 | WG1647314 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 107 | | 9.94 | 21.6 | 1 | 04/08/2021 03:38 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.240 | | 0.0234 | 0.108 | 1 | 04/08/2021 18:57 | WG1647356 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/08/2021 18:57 | WG1647356 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000542 | 0.00116 | 1 | 04/07/2021 16:10 | WG1647278 |
| Toluene | U | | 0.00151 | 0.00580 | 1 | 04/07/2021 16:10 | WG1647278 |
| Ethylbenzene | 0.00595 | | 0.000855 | 0.00290 | 1 | 04/07/2021 16:10 | WG1647278 |
| Total Xylenes | 0.0172 | | 0.00102 | 0.00754 | 1 | 04/07/2021 16:10 | WG1647278 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/07/2021 16:10 | WG1647278 |
| (S) 4-Bromofluorobenzene | 93.3 | | | 67.0-138 | | 04/07/2021 16:10 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 85.9 | | | 70.0-130 | | 04/07/2021 16:10 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 254 | | 1.74 | 4.32 | 1 | 04/08/2021 07:48 | WG1647213 |
| C28-C40 Oil Range | 255 | | 0.592 | 8.64 | 2 | 04/08/2021 16:10 | WG1647213 |
| (S) o-Terphenyl | 63.1 | | | 18.0-148 | | 04/08/2021 07:48 | WG1647213 |
| (S) o-Terphenyl | 84.5 | | | 18.0-148 | | 04/08/2021 16:10 | WG1647213 |

Collected date/time: 04/05/21 12:10

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.1 | | 1 | 04/08/2021 08:35 | WG1647314 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 328 | | 9.38 | 20.4 | 1 | 04/08/2021 03:48 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 1.77 | | 0.0221 | 0.102 | 1 | 04/08/2021 19:19 | WG1647356 |
| (S) a,a,a-Trifluorotoluene(FID) | 103 | | | 77.0-120 | | 04/08/2021 19:19 | WG1647356 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000485 | 0.00104 | 1 | 04/07/2021 16:29 | WG1647278 |
| Toluene | 0.00743 | | 0.00135 | 0.00519 | 1 | 04/07/2021 16:29 | WG1647278 |
| Ethylbenzene | 0.111 | | 0.000765 | 0.00260 | 1 | 04/07/2021 16:29 | WG1647278 |
| Total Xylenes | 0.257 | | 0.000914 | 0.00675 | 1 | 04/07/2021 16:29 | WG1647278 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/07/2021 16:29 | WG1647278 |
| (S) 4-Bromofluorobenzene | 108 | | | 67.0-138 | | 04/07/2021 16:29 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/07/2021 16:29 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 800 | | 16.4 | 40.8 | 10 | 04/08/2021 17:05 | WG1647213 |
| C28-C40 Oil Range | 744 | | 2.79 | 40.8 | 10 | 04/08/2021 17:05 | WG1647213 |
| (S) o-Terphenyl | 180 | J1 | | 18.0-148 | | 04/08/2021 17:05 | WG1647213 |

Sample Narrative:

L1335085-07 WG1647213: Surrogate failure due to matrix interference

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.6 | | 1 | 04/08/2021 10:22 | WG1647315 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 81.6 | | 9.62 | 20.9 | 1 | 04/08/2021 04:26 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.358 | | 0.0227 | 0.105 | 1 | 04/08/2021 19:41 | WG1647356 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 04/08/2021 19:41 | WG1647356 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000510 | 0.00109 | 1 | 04/07/2021 16:48 | WG1647278 |
| Toluene | U | | 0.00142 | 0.00546 | 1 | 04/07/2021 16:48 | WG1647278 |
| Ethylbenzene | 0.00396 | | 0.000805 | 0.00273 | 1 | 04/07/2021 16:48 | WG1647278 |
| Total Xylenes | 0.00966 | | 0.000961 | 0.00710 | 1 | 04/07/2021 16:48 | WG1647278 |
| (S) Toluene-d8 | 113 | | | 75.0-131 | | 04/07/2021 16:48 | WG1647278 |
| (S) 4-Bromofluorobenzene | 94.6 | | | 67.0-138 | | 04/07/2021 16:48 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 96.4 | | | 70.0-130 | | 04/07/2021 16:48 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 181 | | 1.68 | 4.18 | 1 | 04/08/2021 08:01 | WG1647213 |
| C28-C40 Oil Range | 189 | | 0.573 | 8.37 | 2 | 04/08/2021 16:24 | WG1647213 |
| (S) o-Terphenyl | 88.6 | | | 18.0-148 | | 04/08/2021 16:24 | WG1647213 |
| (S) o-Terphenyl | 65.2 | | | 18.0-148 | | 04/08/2021 08:01 | WG1647213 |

Collected date/time: 04/05/21 13:00

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.1 | | 1 | 04/08/2021 10:22 | WG1647315 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 384 | | 9.57 | 20.8 | 1 | 04/08/2021 03:57 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 1810 | | 11.8 | 54.1 | 500 | 04/08/2021 20:25 | WG1647356 |
| (S) a,a,a-Trifluorotoluene(FID) | 106 | | | 77.0-120 | | 04/08/2021 20:25 | WG1647356 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.0202 | 0.0432 | 40 | 04/07/2021 17:07 | WG1647278 |
| Toluene | 2.25 | | 0.0562 | 0.216 | 40 | 04/07/2021 17:07 | WG1647278 |
| Ethylbenzene | 25.4 | | 0.0319 | 0.108 | 40 | 04/07/2021 17:07 | WG1647278 |
| Total Xylenes | 50.3 | | 0.0381 | 0.281 | 40 | 04/07/2021 17:07 | WG1647278 |
| (S) Toluene-d8 | 113 | | | 75.0-131 | | 04/07/2021 17:07 | WG1647278 |
| (S) 4-Bromofluorobenzene | 109 | | | 67.0-138 | | 04/07/2021 17:07 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 108 | | | 70.0-130 | | 04/07/2021 17:07 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 8610 | | 168 | 416 | 100 | 04/09/2021 11:12 | WG1647213 |
| C28-C40 Oil Range | 4280 | | 28.5 | 416 | 100 | 04/09/2021 11:12 | WG1647213 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/09/2021 11:12 | WG1647213 |

Collected date/time: 04/05/21 13:10

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.3 | | 1 | 04/08/2021 10:22 | WG1647315 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 448 | | 9.86 | 21.4 | 1 | 04/08/2021 05:04 | WG1647337 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0522 | B J | 0.0233 | 0.107 | 1 | 04/08/2021 15:16 | WG1647962 |
| (S) a,a,a-Trifluorotoluene(FID) | 102 | | | 77.0-120 | | 04/08/2021 15:16 | WG1647962 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000534 | 0.00114 | 1 | 04/09/2021 13:08 | WG1648533 |
| Toluene | U | | 0.00149 | 0.00572 | 1 | 04/09/2021 13:08 | WG1648533 |
| Ethylbenzene | 0.00212 | J | 0.000843 | 0.00286 | 1 | 04/09/2021 13:08 | WG1648533 |
| Total Xylenes | 0.00720 | J | 0.00101 | 0.00743 | 1 | 04/09/2021 13:08 | WG1648533 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/09/2021 13:08 | WG1648533 |
| (S) 4-Bromofluorobenzene | 93.6 | | | 67.0-138 | | 04/09/2021 13:08 | WG1648533 |
| (S) 1,2-Dichloroethane-d4 | 96.4 | | | 70.0-130 | | 04/09/2021 13:08 | WG1648533 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 13.0 | B | 1.73 | 4.29 | 1 | 04/08/2021 07:20 | WG1647213 |
| C28-C40 Oil Range | 16.6 | | 0.294 | 4.29 | 1 | 04/08/2021 07:20 | WG1647213 |
| (S) o-Terphenyl | 63.0 | | | 18.0-148 | | 04/08/2021 07:20 | WG1647213 |

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

Collected date/time: 04/05/21 13:20

L1335085

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.7 | | 1 | 04/08/2021 10:22 | WG1647315 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 34.8 | | 9.71 | 21.1 | 1 | 04/08/2021 05:13 | WG1647337 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.322 | B | 0.0229 | 0.106 | 1 | 04/08/2021 15:40 | WG1647962 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | | 77.0-120 | | 04/08/2021 15:40 | WG1647962 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000519 | 0.00111 | 1 | 04/07/2021 17:45 | WG1647278 |
| Toluene | U | | 0.00144 | 0.00556 | 1 | 04/07/2021 17:45 | WG1647278 |
| Ethylbenzene | 0.00776 | | 0.000819 | 0.00278 | 1 | 04/07/2021 17:45 | WG1647278 |
| Total Xylenes | 0.0209 | | 0.000978 | 0.00722 | 1 | 04/07/2021 17:45 | WG1647278 |
| (S) Toluene-d8 | 113 | | | 75.0-131 | | 04/07/2021 17:45 | WG1647278 |
| (S) 4-Bromofluorobenzene | 94.9 | | | 67.0-138 | | 04/07/2021 17:45 | WG1647278 |
| (S) 1,2-Dichloroethane-d4 | 92.6 | | | 70.0-130 | | 04/07/2021 17:45 | WG1647278 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 162 | B | 17.0 | 42.2 | 10 | 04/08/2021 17:19 | WG1647213 |
| C28-C40 Oil Range | 140 | | 2.89 | 42.2 | 10 | 04/08/2021 17:19 | WG1647213 |
| (S) o-Terphenyl | 84.9 | | | 18.0-148 | | 04/08/2021 17:19 | WG1647213 |

| |
|------|
| 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 [L1335085-01,02,03,04,05,06,07](#)

Method Blank (MB)

(MB) R3639669-1 04/08/21 08:35

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1335187-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1335187-12 04/08/21 08:35 • (DUP) R3639669-3 04/08/21 08:35

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 78.6 | 78.6 | 1 | 0.0916 | | 10 |

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3639669-2 04/08/21 08:35

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁹Sc

Total Solids by Method 2540 G-2011 [L1335085-08.09.10.11](#)

Method Blank (MB)

(MB) R3639899-1 04/08/21 10:22

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.00300 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1333937-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1333937-02 04/08/21 10:22 • (DUP) R3639899-3 04/08/21 10:22

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 91.8 | 89.6 | 1 | 2.52 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3639899-2 04/08/21 10:22

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 99.9 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Wet Chemistry by Method 300.0

[L1335085-01,02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3639384-1 04/07/21 23:23

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Chloride | U | | 9.20 | 20.0 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1332681-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1332681-11 04/08/21 00:57 • (DUP) R3639384-3 04/08/21 01:06

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | 259 | 248 | 1 | 4.45 | | 20 |

L1335085-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1335085-08 04/08/21 04:26 • (DUP) R3639384-4 04/08/21 04:35

| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | 81.6 | 82.6 | 1 | 1.21 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3639384-2 04/07/21 23:33

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Chloride | 200 | 198 | 99.1 | 90.0-110 | |

L1335085-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1335085-08 04/08/21 04:26 • (MS) R3639384-5 04/08/21 04:45 • (MSD) R3639384-6 04/08/21 04:54

| | 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 | % | % | | % | | | % | % |
| Chloride | 523 | 81.6 | 628 | 627 | 105 | 104 | 1 | 80.0-120 | | | 0.140 | 20 |

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

[L1335085-01,02,03,04,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3639701-3 04/08/21 12:44

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3639701-2 04/08/21 11:59

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.31 | 96.5 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 96.4 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO [L1335085-10,11](#)

Method Blank (MB)

(MB) R3639649-3 04/08/21 11:22

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | 0.0503 | ⬇ | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 103 | | | 77.0-120 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3639649-2 04/08/21 10:34

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 4.95 | 90.0 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 110 | 77.0-120 | |

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

[L1335085-01,02,03,04,05,06,07,08,09,11](#)

Method Blank (MB)

(MB) R3639616-2 04/07/21 10:18

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 112 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 93.5 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 90.4 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3639616-1 04/07/21 09:20

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.100 | 80.0 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.122 | 97.6 | 74.0-126 | |
| Toluene | 0.125 | 0.119 | 95.2 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.344 | 91.7 | 72.0-127 | |
| (S) Toluene-d8 | | | 107 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 97.4 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 100 | 70.0-130 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3640087-3 04/09/21 12:01

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 108 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 95.2 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 99.3 | | | 70.0-130 |

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

(LCS) R3640087-1 04/09/21 10:45 • (LCSD) R3640087-2 04/09/21 11:04

| 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 | 0.118 | 0.120 | 94.4 | 96.0 | 70.0-123 | | | 1.68 | 20 |
| Ethylbenzene | 0.125 | 0.120 | 0.127 | 96.0 | 102 | 74.0-126 | | | 5.67 | 20 |
| Toluene | 0.125 | 0.118 | 0.124 | 94.4 | 99.2 | 75.0-121 | | | 4.96 | 20 |
| Xylenes, Total | 0.375 | 0.347 | 0.365 | 92.5 | 97.3 | 72.0-127 | | | 5.06 | 20 |
| (S) Toluene-d8 | | | | 102 | 106 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 102 | 102 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 116 | 113 | 70.0-130 | | | | |

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 8015

L1335085-01,02,03,04,05,06,07,08,09,10,11

Method Blank (MB)

(MB) R3639374-1 04/08/21 02:09

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | 2.12 | J | 1.61 | 4.00 |
| C28-C40 Oil Range | 1.22 | J | 0.274 | 4.00 |
| (S) o-Terphenyl | 45.2 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3639374-2 04/08/21 02:22

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 36.4 | 72.8 | 50.0-150 | |
| (S) o-Terphenyl | | | 78.1 | 18.0-148 | |

L1335025-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1335025-07 04/08/21 03:43 • (MS) R3639374-3 04/08/21 03:56 • (MSD) R3639374-4 04/08/21 04:10

| 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 % |
|----------------------|--------------------------------|--------------------------|-----------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 49.4 | 7620 | 7870 | 6300 | 405 | 0.000 | 1 | 50.0-150 | E V | E J3 V | 22.1 | 20 |
| (S) o-Terphenyl | | | | | 666 | 512 | | 18.0-148 | J1 | J1 | | |

Sample Narrative:

OS: Surrogate failure due to matrix interference

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

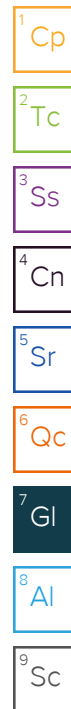
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits. |
| J3 | The associated batch QC was outside the established quality control range for precision. |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |



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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Analysis Request of Chain of Custody Record

H227

Page : 1 of 2



Tetra Tech, Inc.

 901 West Wall Street, Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

| | | | |
|---|--|---------------------------|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | COP MCA 151 Flowline release | Contact Info: | Email: christian.llull@tetratech.com Phone: (512) 338-1667 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | 212C-MD-02471 |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | Adrian |
| Comments: COPTETRA Acctnum | | | |

ANALYSIS REQUEST
 (Circle or Specify Method No.)

| L133085 LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX 8260B / 624 | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DI) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCBs 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD | |
|------------------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|------------------|-------------------------|----------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|-----------------|------|----------------|----------------|----------------------|---|----------------------|-----------|------|--|
| | | YEAR: 2020 | | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | AH 24 (0.5-1') | 4/5/2021 | 1100 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |
| 02 | AH 24 (1.5-2') | 4/5/2021 | 1110 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |
| 03 | AH 24 (2.5-3') | 4/5/2021 | 1120 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |
| 04 | AH 24 (3.5-4') | 4/5/2021 | 1130 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |
| 05 | AH 25 (0.5-1') | 4/5/2021 | 1150 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |
| 06 | AH 25 (1.5-2') | 4/5/2021 | 1200 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |
| 07 | AH 25 (2.5-3') | 4/5/2021 | 1210 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |
| 08 | AH 25 (3.5-4') | 4/5/2021 | 1220 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |
| 09 | AH-26 (0.5-1') | 4/5/2021 | 1300 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |
| 10 | AH-26 (1.5-2') | 4/5/2021 | 1310 | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | X | | | | | | |

Relinquished by: *Adrian Llull* Date: 4/6/21 Time: 12:00Received by: *Adrian Llull* Date: 4.6.21 Time: 12:00

LAB USE ONLY

REMARKS:

- ☐ Standard
- ☒ RUSH: Same Day 24 hr 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

Relinquished by: *Adrian Llull* Date: 4.6.21 Time: 14:00Received by: *SEA* Date: 4.6.21 Time: 14:00

Sample Temperature

Relinquished by: *Adrian Llull* Date: 4/7/21 Time: 08:00Received by: *SEA* Date: 4/7/21 Time: 08:00

Sample Receipt Checklist

COC Seal Present/Intact: Y N If Applicable

COC Signed/Accurate: Y N VOA Zero Headspace: Y N

Bottles arrive intact: Y N Pres. Correct/Check: Y N

Correct bottles used: Y N

ORIGINAL COPY

Adrian Llull
 2.6.1-2.7

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Analysis Request of Chain of Custody Record

Page : 2 of 2

[illegible]



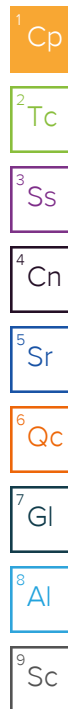
ANALYTICAL REPORT

April 09, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1335764
Samples Received: 04/08/2021
Project Number: 212CMD02471
Description: COP MCA 151 Flowline Release

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

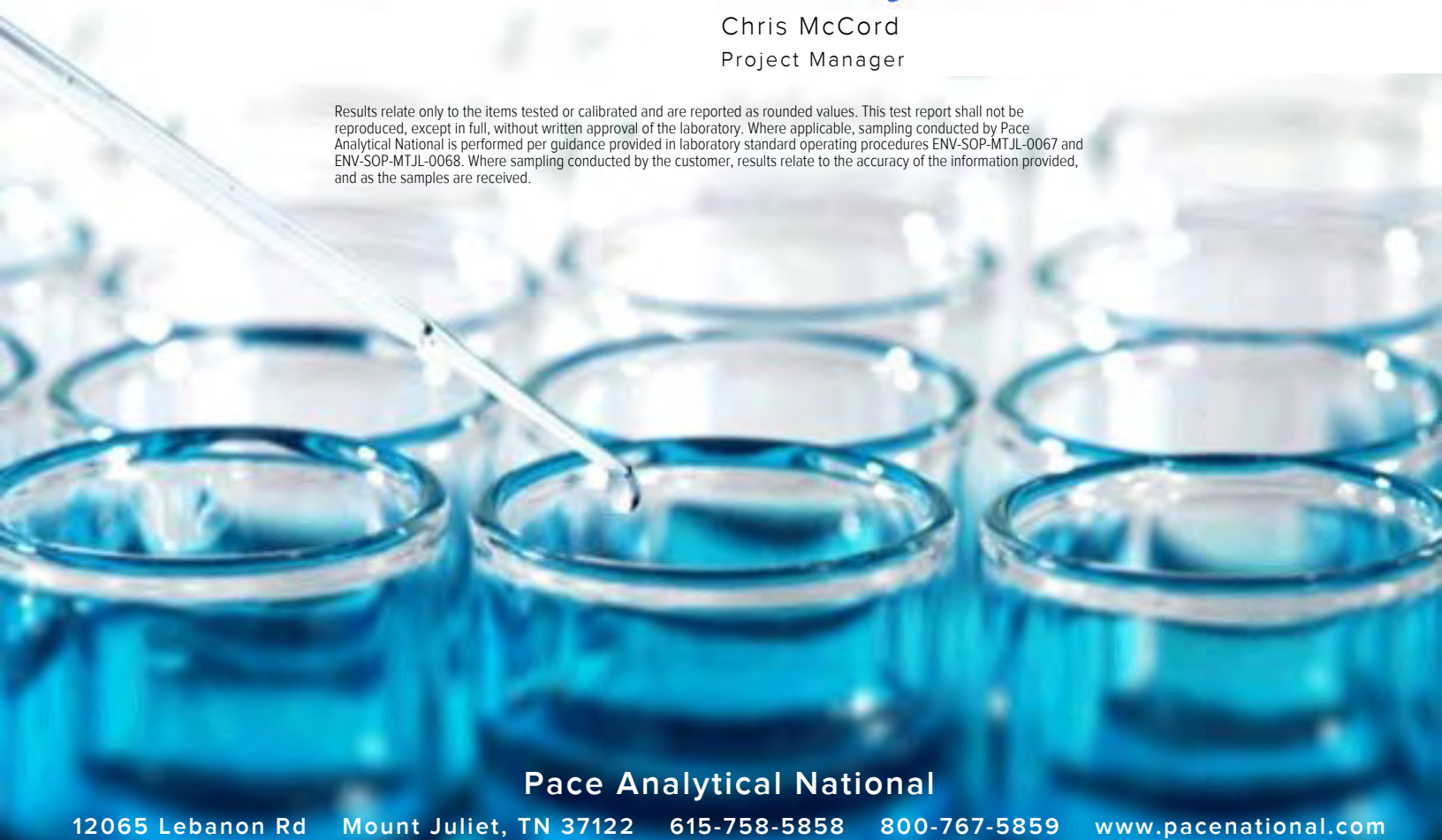


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
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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| Sr: Sample Results | 8 |
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| AH-21 (2'-3') L1335764-03 | 10 |
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| AH-28 (2'-3') L1335764-15 | 22 |
| AH-28 (3'-4') L1335764-16 | 23 |
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| |
|-----------------|
| ¹ Cp |
| ² Tc |
| ³ Ss |
| ⁴ Cn |
| ⁵ Sr |
| ⁶ Qc |
| ⁷ Gl |
| ⁸ Al |
| ⁹ Sc |

AH-21 (0'-1') L1335764-01 Solid

Collected by
Adrian

Collected date/time
04/06/21 12:00

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 5 | 04/08/21 19:54 | 04/09/21 04:24 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 200 | 04/08/21 11:25 | 04/08/21 20:52 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 20 | 04/08/21 11:25 | 04/09/21 01:47 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 20 | 04/08/21 11:25 | 04/09/21 09:04 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 10 | 04/08/21 17:16 | 04/09/21 04:15 | DMG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

AH-21 (1'-2') L1335764-02 Solid

Collected by
Adrian

Collected date/time
04/06/21 12:10

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 5 | 04/08/21 19:54 | 04/09/21 04:33 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 17:11 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/08/21 22:36 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 09:23 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 00:22 | DMG | Mt. Juliet, TN |

AH-21 (2'-3') L1335764-03 Solid

Collected by
Adrian

Collected date/time
04/06/21 12:20

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 10 | 04/08/21 19:54 | 04/09/21 04:43 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 17:33 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/08/21 22:55 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 09:43 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 00:36 | DMG | Mt. Juliet, TN |

AH-23 (0'-1') L1335764-04 Solid

Collected by
Adrian

Collected date/time
04/06/21 12:30

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 5 | 04/08/21 19:54 | 04/09/21 04:52 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 5000 | 04/08/21 11:25 | 04/09/21 00:10 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 400 | 04/08/21 11:25 | 04/09/21 02:06 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 400 | 04/08/21 11:25 | 04/09/21 10:02 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 50 | 04/08/21 17:16 | 04/09/21 12:35 | DMG | Mt. Juliet, TN |

AH-23 (1'-2') L1335764-05 Solid

Collected by
Adrian

Collected date/time
04/06/21 12:40

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 5 | 04/08/21 19:54 | 04/09/21 05:02 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 500 | 04/08/21 11:25 | 04/08/21 21:14 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 8 | 04/08/21 11:25 | 04/09/21 10:21 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 10 | 04/08/21 17:16 | 04/09/21 03:48 | DMG | Mt. Juliet, TN |

AH-23 (2'-3') L1335764-06 Solid

Collected by
Adrian

Collected date/time
04/06/21 12:50

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 10 | 04/08/21 19:54 | 04/09/21 05:11 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648517 | 1 | 04/08/21 11:25 | 04/09/21 14:22 | TPR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 10:40 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 00:49 | DMG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

AH-23 (3'-4') L1335764-07 Solid

Collected by
Adrian

Collected date/time
04/06/21 13:00

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 10 | 04/08/21 19:54 | 04/09/21 05:59 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648517 | 1 | 04/08/21 11:25 | 04/09/21 15:03 | TPR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 10:58 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 01:43 | DMG | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

AH-27 (0'-1') L1335764-08 Solid

Collected by
Adrian

Collected date/time
04/06/21 13:30

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 5 | 04/08/21 19:54 | 04/09/21 05:21 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 5000 | 04/08/21 11:25 | 04/08/21 23:48 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 400 | 04/08/21 11:25 | 04/09/21 03:22 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 400 | 04/08/21 11:25 | 04/09/21 11:17 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 50 | 04/08/21 17:16 | 04/09/21 12:21 | DMG | Mt. Juliet, TN |

9 Sc

AH-27 (1'-2') L1335764-09 Solid

Collected by
Adrian

Collected date/time
04/06/21 13:40

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 5 | 04/08/21 19:54 | 04/09/21 06:09 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 17:55 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/08/21 23:14 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 11:37 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 02:55 | DMG | Mt. Juliet, TN |

AH-27 (2'-3') L1335764-10 Solid

Collected by
Adrian

Collected date/time
04/06/21 13:50

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647941 | 1 | 04/08/21 13:00 | 04/08/21 13:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 10 | 04/08/21 19:54 | 04/09/21 06:18 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648517 | 1 | 04/08/21 11:25 | 04/09/21 15:35 | TPR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 11:56 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 01:03 | DMG | Mt. Juliet, TN |

AH-27 (3'-4') L1335764-11 Solid

Collected by
Adrian

Collected date/time
04/06/21 14:00

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 10 | 04/08/21 19:54 | 04/09/21 06:28 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648517 | 1 | 04/08/21 11:25 | 04/09/21 16:04 | TPR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 12:15 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 01:16 | DMG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

AH-27 (4'-5') L1335764-12 Solid

Collected by
Adrian

Collected date/time
04/06/21 14:10

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 10 | 04/08/21 19:54 | 04/09/21 06:37 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 18:17 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/08/21 23:33 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 12:33 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 02:01 | DMG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

AH-28 (0'-1') L1335764-13 Solid

Collected by
Adrian

Collected date/time
04/06/21 14:30

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 5 | 04/08/21 19:54 | 04/09/21 06:47 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648517 | 25 | 04/08/21 11:25 | 04/09/21 16:32 | TPR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 12:52 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 03:22 | DMG | Mt. Juliet, TN |

AH-28 (1'-2') L1335764-14 Solid

Collected by
Adrian

Collected date/time
04/06/21 14:40

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 5 | 04/08/21 19:54 | 04/09/21 06:56 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 18:39 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/08/21 23:52 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 13:11 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 11:53 | DMG | Mt. Juliet, TN |

AH-28 (2'-3') L1335764-15 Solid

Collected by
Adrian

Collected date/time
04/06/21 14:50

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 10 | 04/08/21 19:54 | 04/09/21 07:06 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 19:01 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/09/21 00:11 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 13:30 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 02:28 | DMG | Mt. Juliet, TN |

AH-28 (3'-4') L1335764-16 Solid

Collected by
Adrian

Collected date/time
04/06/21 15:00

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 1 | 04/08/21 19:54 | 04/09/21 07:15 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 19:24 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/09/21 00:30 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 13:49 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648012 | 1 | 04/08/21 17:16 | 04/09/21 02:41 | CLG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

AH-28 (4'-5') L1335764-17 Solid

Collected by
Adrian

Collected date/time
04/06/21 15:10

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 1 | 04/08/21 19:54 | 04/09/21 07:25 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 19:46 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/09/21 00:49 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 14:08 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648014 | 1 | 04/08/21 17:18 | 04/08/21 23:25 | TJD | Mt. Juliet, TN |

AH-29 (0'-1') L1335764-18 Solid

Collected by
Adrian

Collected date/time
04/06/21 15:30

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 1 | 04/08/21 19:54 | 04/09/21 07:53 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 20:08 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/09/21 01:08 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 14:27 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648014 | 1 | 04/08/21 17:18 | 04/08/21 23:38 | TJD | Mt. Juliet, TN |

AH-29 (1'-2') L1335764-19 Solid

Collected by
Adrian

Collected date/time
04/06/21 15:40

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 1 | 04/08/21 19:54 | 04/09/21 08:31 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648077 | 1 | 04/08/21 11:25 | 04/08/21 20:30 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648162 | 1 | 04/08/21 11:25 | 04/09/21 01:27 | BMB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 14:46 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648014 | 1 | 04/08/21 17:18 | 04/08/21 23:51 | TJD | Mt. Juliet, TN |

AH-21 (3-4) L1335764-20 Solid

Collected by
Adrian

Collected date/time
04/06/21 16:00

Received date/time
04/08/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1647942 | 1 | 04/08/21 12:45 | 04/08/21 12:55 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1648080 | 10 | 04/08/21 19:54 | 04/09/21 08:41 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1648956 | 25 | 04/08/21 11:25 | 04/09/21 18:31 | TPR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1648487 | 1 | 04/08/21 11:25 | 04/09/21 15:05 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1648014 | 1 | 04/08/21 17:18 | 04/09/21 00:04 | TJD | Mt. Juliet, TN |

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 McCord
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Collected date/time: 04/06/21 12:00

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 97.4 | | 1 | 04/08/2021 13:09 | WG1647941 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 1920 | | 47.2 | 103 | 5 | 04/09/2021 04:24 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 103 | | 4.57 | 21.1 | 200 | 04/08/2021 20:52 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.2 | | | 77.0-120 | | 04/08/2021 20:52 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.00984 | 0.0211 | 20 | 04/09/2021 09:04 | WG1648487 |
| Toluene | 0.299 | | 0.0274 | 0.105 | 20 | 04/09/2021 01:47 | WG1648162 |
| Ethylbenzene | 0.684 | | 0.0155 | 0.0527 | 20 | 04/09/2021 01:47 | WG1648162 |
| Total Xylenes | 2.01 | | 0.0186 | 0.137 | 20 | 04/09/2021 01:47 | WG1648162 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/09/2021 01:47 | WG1648162 |
| (S) Toluene-d8 | 98.1 | | | 75.0-131 | | 04/09/2021 09:04 | WG1648487 |
| (S) 4-Bromofluorobenzene | 100 | | | 67.0-138 | | 04/09/2021 01:47 | WG1648162 |
| (S) 4-Bromofluorobenzene | 116 | | | 67.0-138 | | 04/09/2021 09:04 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 | | 04/09/2021 01:47 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 112 | | | 70.0-130 | | 04/09/2021 09:04 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 1990 | | 16.5 | 41.1 | 10 | 04/09/2021 04:15 | WG1648012 |
| C28-C40 Oil Range | 1190 | | 2.81 | 41.1 | 10 | 04/09/2021 04:15 | WG1648012 |
| (S) o-Terphenyl | 145 | | | 18.0-148 | | 04/09/2021 04:15 | WG1648012 |

Collected date/time: 04/06/21 12:10

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.5 | | 1 | 04/08/2021 13:09 | WG1647941 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 2760 | | 47.7 | 104 | 5 | 04/09/2021 04:33 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0544 | J | 0.0225 | 0.104 | 1 | 04/08/2021 17:11 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.3 | | | 77.0-120 | | 04/08/2021 17:11 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000501 | 0.00107 | 1 | 04/09/2021 09:23 | WG1648487 |
| Toluene | 0.0160 | | 0.00139 | 0.00536 | 1 | 04/08/2021 22:36 | WG1648162 |
| Ethylbenzene | 0.00129 | J | 0.000791 | 0.00268 | 1 | 04/08/2021 22:36 | WG1648162 |
| Total Xylenes | 0.00341 | J | 0.000944 | 0.00697 | 1 | 04/08/2021 22:36 | WG1648162 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/08/2021 22:36 | WG1648162 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 04/09/2021 09:23 | WG1648487 |
| (S) 4-Bromofluorobenzene | 91.4 | | | 67.0-138 | | 04/08/2021 22:36 | WG1648162 |
| (S) 4-Bromofluorobenzene | 104 | | | 67.0-138 | | 04/09/2021 09:23 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 04/08/2021 22:36 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 106 | | | 70.0-130 | | 04/09/2021 09:23 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.47 | J | 1.67 | 4.15 | 1 | 04/09/2021 00:22 | WG1648012 |
| C28-C40 Oil Range | 3.04 | J | 0.284 | 4.15 | 1 | 04/09/2021 00:22 | WG1648012 |
| (S) o-Terphenyl | 54.4 | | | 18.0-148 | | 04/09/2021 00:22 | WG1648012 |

Collected date/time: 04/06/21 12:20

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 89.1 | | 1 | 04/08/2021 13:09 | WG1647941 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 8590 | | 103 | 225 | 10 | 04/09/2021 04:43 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0244 | 0.112 | 1 | 04/08/2021 17:33 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.6 | | | 77.0-120 | | 04/08/2021 17:33 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 0.000810 | J | 0.000582 | 0.00125 | 1 | 04/09/2021 09:43 | WG1648487 |
| Toluene | 0.00893 | | 0.00162 | 0.00623 | 1 | 04/08/2021 22:55 | WG1648162 |
| Ethylbenzene | 0.00401 | | 0.000918 | 0.00311 | 1 | 04/08/2021 22:55 | WG1648162 |
| Total Xylenes | 0.00895 | | 0.00110 | 0.00810 | 1 | 04/08/2021 22:55 | WG1648162 |
| (S) Toluene-d8 | 111 | | | 75.0-131 | | 04/08/2021 22:55 | WG1648162 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/09/2021 09:43 | WG1648487 |
| (S) 4-Bromofluorobenzene | 91.4 | | | 67.0-138 | | 04/08/2021 22:55 | WG1648162 |
| (S) 4-Bromofluorobenzene | 94.4 | | | 67.0-138 | | 04/09/2021 09:43 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 95.8 | | | 70.0-130 | | 04/08/2021 22:55 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 04/09/2021 09:43 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.81 | 4.49 | 1 | 04/09/2021 00:36 | WG1648012 |
| C28-C40 Oil Range | 4.12 | J | 0.308 | 4.49 | 1 | 04/09/2021 00:36 | WG1648012 |
| (S) o-Terphenyl | 47.1 | | | 18.0-148 | | 04/09/2021 00:36 | WG1648012 |

Collected date/time: 04/06/21 12:30

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 95.8 | | 1 | 04/08/2021 13:09 | WG1647941 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 2120 | | 48.0 | 104 | 5 | 04/09/2021 04:52 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 2590 | | 119 | 544 | 5000 | 04/09/2021 00:10 | WG1648077 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 95.7 | | | 77.0-120 | | 04/09/2021 00:10 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 1.96 | | 0.203 | 0.435 | 400 | 04/09/2021 10:02 | WG1648487 |
| Toluene | 103 | | 0.565 | 2.17 | 400 | 04/09/2021 02:06 | WG1648162 |
| Ethylbenzene | 98.1 | | 0.321 | 1.09 | 400 | 04/09/2021 02:06 | WG1648162 |
| Total Xylenes | 142 | | 0.383 | 2.83 | 400 | 04/09/2021 02:06 | WG1648162 |
| (S) Toluene-d8 | 113 | | | 75.0-131 | | 04/09/2021 02:06 | WG1648162 |
| (S) Toluene-d8 | 102 | | | 75.0-131 | | 04/09/2021 10:02 | WG1648487 |
| (S) 4-Bromofluorobenzene | 94.9 | | | 67.0-138 | | 04/09/2021 02:06 | WG1648162 |
| (S) 4-Bromofluorobenzene | 109 | | | 67.0-138 | | 04/09/2021 10:02 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 95.1 | | | 70.0-130 | | 04/09/2021 02:06 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 110 | | | 70.0-130 | | 04/09/2021 10:02 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|--------------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 4830 | | 84.0 | 209 | 50 | 04/09/2021 12:35 | WG1648012 |
| C28-C40 Oil Range | 2350 | | 14.3 | 209 | 50 | 04/09/2021 12:35 | WG1648012 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/09/2021 12:35 | WG1648012 |

Collected date/time: 04/06/21 12:40

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.3 | | 1 | 04/08/2021 13:09 | WG1647941 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1770 | | 47.8 | 104 | 5 | 04/09/2021 05:02 | WG1648080 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 76.4 | | 11.7 | 53.8 | 500 | 04/08/2021 21:14 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 96.8 | | | 77.0-120 | | 04/08/2021 21:14 | WG1648077 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.00667 | J | 0.00403 | 0.00861 | 8 | 04/09/2021 10:21 | WG1648487 |
| Toluene | 1.12 | | 0.0112 | 0.0431 | 8 | 04/09/2021 10:21 | WG1648487 |
| Ethylbenzene | 2.02 | | 0.00635 | 0.0215 | 8 | 04/09/2021 10:21 | WG1648487 |
| Total Xylenes | 3.20 | | 0.00758 | 0.0560 | 8 | 04/09/2021 10:21 | WG1648487 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/09/2021 10:21 | WG1648487 |
| (S) 4-Bromofluorobenzene | 97.0 | | | 67.0-138 | | 04/09/2021 10:21 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 108 | | | 70.0-130 | | 04/09/2021 10:21 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3080 | | 16.7 | 41.5 | 10 | 04/09/2021 03:48 | WG1648012 |
| C28-C40 Oil Range | 1540 | | 2.84 | 41.5 | 10 | 04/09/2021 03:48 | WG1648012 |
| (S) o-Terphenyl | 0.000 | J2 | | 18.0-148 | | 04/09/2021 03:48 | WG1648012 |

Sample Narrative:

L1335764-05 WG1648012: Surrogate failure due to matrix interference

Collected date/time: 04/06/21 12:50

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.1 | | 1 | 04/08/2021 13:09 | WG1647941 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 8020 | | 102 | 222 | 10 | 04/09/2021 05:11 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.751 | | 0.0241 | 0.111 | 1 | 04/09/2021 14:22 | WG1648517 |
| (S) a,a,a-Trifluorotoluene(FID) | 95.5 | | | 77.0-120 | | 04/09/2021 14:22 | WG1648517 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | 0.000976 | J | 0.000570 | 0.00122 | 1 | 04/09/2021 10:40 | WG1648487 |
| Toluene | 0.0189 | | 0.00159 | 0.00610 | 1 | 04/09/2021 10:40 | WG1648487 |
| Ethylbenzene | 0.0406 | | 0.000899 | 0.00305 | 1 | 04/09/2021 10:40 | WG1648487 |
| Total Xylenes | 0.0869 | | 0.00107 | 0.00793 | 1 | 04/09/2021 10:40 | WG1648487 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/09/2021 10:40 | WG1648487 |
| (S) 4-Bromofluorobenzene | 95.1 | | | 67.0-138 | | 04/09/2021 10:40 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 98.0 | | | 70.0-130 | | 04/09/2021 10:40 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.55 | J | 1.79 | 4.44 | 1 | 04/09/2021 00:49 | WG1648012 |
| C28-C40 Oil Range | 6.59 | | 0.304 | 4.44 | 1 | 04/09/2021 00:49 | WG1648012 |
| (S) o-Terphenyl | 52.9 | | | 18.0-148 | | 04/09/2021 00:49 | WG1648012 |

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

Collected date/time: 04/06/21 13:00

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.4 | | 1 | 04/08/2021 13:09 | WG1647941 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 7880 | | 102 | 221 | 10 | 04/09/2021 05:59 | WG1648080 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.401 | | 0.0240 | 0.111 | 1 | 04/09/2021 15:03 | WG1648517 |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | | 77.0-120 | | 04/09/2021 15:03 | WG1648517 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.000607 | J | 0.000567 | 0.00121 | 1 | 04/09/2021 10:58 | WG1648487 |
| Toluene | 0.00552 | J | 0.00158 | 0.00607 | 1 | 04/09/2021 10:58 | WG1648487 |
| Ethylbenzene | 0.00858 | | 0.000894 | 0.00303 | 1 | 04/09/2021 10:58 | WG1648487 |
| Total Xylenes | 0.0167 | | 0.00107 | 0.00789 | 1 | 04/09/2021 10:58 | WG1648487 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/09/2021 10:58 | WG1648487 |
| (S) 4-Bromofluorobenzene | 94.4 | | | 67.0-138 | | 04/09/2021 10:58 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 106 | | | 70.0-130 | | 04/09/2021 10:58 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 22.8 | | 1.78 | 4.43 | 1 | 04/09/2021 01:43 | WG1648012 |
| C28-C40 Oil Range | 22.1 | | 0.303 | 4.43 | 1 | 04/09/2021 01:43 | WG1648012 |
| (S) o-Terphenyl | 37.5 | | | 18.0-148 | | 04/09/2021 01:43 | WG1648012 |

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

Collected date/time: 04/06/21 13:30

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 95.5 | | 1 | 04/08/2021 13:09 | WG1647941 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 2630 | | 48.2 | 105 | 5 | 04/09/2021 05:21 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 2060 | | 119 | 547 | 5000 | 04/08/2021 23:48 | WG1648077 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 93.7 | | | 77.0-120 | | 04/08/2021 23:48 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 2.39 | | 0.205 | 0.438 | 400 | 04/09/2021 11:17 | WG1648487 |
| Toluene | 85.2 | | 0.569 | 2.19 | 400 | 04/09/2021 03:22 | WG1648162 |
| Ethylbenzene | 98.2 | | 0.323 | 1.09 | 400 | 04/09/2021 03:22 | WG1648162 |
| Total Xylenes | 143 | | 0.385 | 2.85 | 400 | 04/09/2021 03:22 | WG1648162 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/09/2021 03:22 | WG1648162 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/09/2021 11:17 | WG1648487 |
| (S) 4-Bromofluorobenzene | 98.4 | | | 67.0-138 | | 04/09/2021 03:22 | WG1648162 |
| (S) 4-Bromofluorobenzene | 97.6 | | | 67.0-138 | | 04/09/2021 11:17 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 96.5 | | | 70.0-130 | | 04/09/2021 03:22 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 109 | | | 70.0-130 | | 04/09/2021 11:17 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|--------------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 6080 | | 84.3 | 209 | 50 | 04/09/2021 12:21 | WG1648012 |
| C28-C40 Oil Range | 2910 | | 14.3 | 209 | 50 | 04/09/2021 12:21 | WG1648012 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/09/2021 12:21 | WG1648012 |

Collected date/time: 04/06/21 13:40

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 95.9 | | 1 | 04/08/2021 13:09 | WG1647941 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 3390 | | 48.0 | 104 | 5 | 04/09/2021 06:09 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.934 | | 0.0226 | 0.104 | 1 | 04/08/2021 17:55 | WG1648077 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 93.1 | | | 77.0-120 | | 04/08/2021 17:55 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000507 | 0.00109 | 1 | 04/09/2021 11:37 | WG1648487 |
| Toluene | 0.00505 | J | 0.00141 | 0.00543 | 1 | 04/08/2021 23:14 | WG1648162 |
| Ethylbenzene | 0.00190 | J | 0.000801 | 0.00272 | 1 | 04/08/2021 23:14 | WG1648162 |
| Total Xylenes | 0.00556 | J | 0.000956 | 0.00706 | 1 | 04/08/2021 23:14 | WG1648162 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/08/2021 23:14 | WG1648162 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/09/2021 11:37 | WG1648487 |
| (S) 4-Bromofluorobenzene | 90.9 | | | 67.0-138 | | 04/08/2021 23:14 | WG1648162 |
| (S) 4-Bromofluorobenzene | 93.9 | | | 67.0-138 | | 04/09/2021 11:37 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 86.3 | | | 70.0-130 | | 04/08/2021 23:14 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 105 | | | 70.0-130 | | 04/09/2021 11:37 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 11.3 | | 1.68 | 4.17 | 1 | 04/09/2021 02:55 | WG1648012 |
| C28-C40 Oil Range | 11.4 | | 0.286 | 4.17 | 1 | 04/09/2021 02:55 | WG1648012 |
| (S) o-Terphenyl | 50.8 | | | 18.0-148 | | 04/09/2021 02:55 | WG1648012 |

Collected date/time: 04/06/21 13:50

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.2 | | 1 | 04/08/2021 13:09 | WG1647941 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 9150 | | 103 | 224 | 10 | 04/09/2021 06:18 | WG1648080 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.641 | | 0.0243 | 0.112 | 1 | 04/09/2021 15:35 | WG1648517 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.8 | | | 77.0-120 | | 04/09/2021 15:35 | WG1648517 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.00199 | | 0.000580 | 0.00124 | 1 | 04/09/2021 11:56 | WG1648487 |
| Toluene | 0.0227 | | 0.00162 | 0.00621 | 1 | 04/09/2021 11:56 | WG1648487 |
| Ethylbenzene | 0.0388 | | 0.000916 | 0.00311 | 1 | 04/09/2021 11:56 | WG1648487 |
| Total Xylenes | 0.0718 | | 0.00109 | 0.00808 | 1 | 04/09/2021 11:56 | WG1648487 |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 04/09/2021 11:56 | WG1648487 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/09/2021 11:56 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/09/2021 11:56 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.14 | J | 1.81 | 4.49 | 1 | 04/09/2021 01:03 | WG1648012 |
| C28-C40 Oil Range | 8.20 | | 0.307 | 4.49 | 1 | 04/09/2021 01:03 | WG1648012 |
| (S) o-Terphenyl | 47.4 | | | 18.0-148 | | 04/09/2021 01:03 | WG1648012 |

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

Collected date/time: 04/06/21 14:00

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.7 | | 1 | 04/08/2021 12:55 | WG1647942 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 7780 | | 101 | 221 | 10 | 04/09/2021 06:28 | WG1648080 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.131 | | 0.0239 | 0.110 | 1 | 04/09/2021 16:04 | WG1648517 |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9 | | | 77.0-120 | | 04/09/2021 16:04 | WG1648517 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.000994 | J | 0.000563 | 0.00121 | 1 | 04/09/2021 12:15 | WG1648487 |
| Toluene | 0.00293 | J | 0.00157 | 0.00603 | 1 | 04/09/2021 12:15 | WG1648487 |
| Ethylbenzene | 0.00349 | | 0.000888 | 0.00301 | 1 | 04/09/2021 12:15 | WG1648487 |
| Total Xylenes | 0.00604 | J | 0.00106 | 0.00783 | 1 | 04/09/2021 12:15 | WG1648487 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/09/2021 12:15 | WG1648487 |
| (S) 4-Bromofluorobenzene | 93.9 | | | 67.0-138 | | 04/09/2021 12:15 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 | | 04/09/2021 12:15 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 16.9 | | 1.78 | 4.41 | 1 | 04/09/2021 01:16 | WG1648012 |
| C28-C40 Oil Range | 15.3 | | 0.302 | 4.41 | 1 | 04/09/2021 01:16 | WG1648012 |
| (S) o-Terphenyl | 41.7 | | | 18.0-148 | | 04/09/2021 01:16 | WG1648012 |

Collected date/time: 04/06/21 14:10

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 92.0 | | 1 | 04/08/2021 12:55 | WG1647942 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 6960 | | 100 | 217 | 10 | 04/09/2021 06:37 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.143 | | 0.0236 | 0.109 | 1 | 04/08/2021 18:17 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.4 | | | 77.0-120 | | 04/08/2021 18:17 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 0.00610 | | 0.000548 | 0.00117 | 1 | 04/09/2021 12:33 | WG1648487 |
| Toluene | 0.0460 | | 0.00153 | 0.00587 | 1 | 04/08/2021 23:33 | WG1648162 |
| Ethylbenzene | 0.0352 | | 0.000865 | 0.00293 | 1 | 04/08/2021 23:33 | WG1648162 |
| Total Xylenes | 0.0492 | | 0.00103 | 0.00763 | 1 | 04/08/2021 23:33 | WG1648162 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/08/2021 23:33 | WG1648162 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/09/2021 12:33 | WG1648487 |
| (S) 4-Bromofluorobenzene | 91.2 | | | 67.0-138 | | 04/08/2021 23:33 | WG1648162 |
| (S) 4-Bromofluorobenzene | 93.6 | | | 67.0-138 | | 04/09/2021 12:33 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 92.5 | | | 70.0-130 | | 04/08/2021 23:33 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 | | 04/09/2021 12:33 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 3.30 | J | 1.75 | 4.35 | 1 | 04/09/2021 02:01 | WG1648012 |
| C28-C40 Oil Range | 8.45 | | 0.298 | 4.35 | 1 | 04/09/2021 02:01 | WG1648012 |
| (S) o-Terphenyl | 51.6 | | | 18.0-148 | | 04/09/2021 02:01 | WG1648012 |

Collected date/time: 04/06/21 14:30

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.3 | | 1 | 04/08/2021 12:55 | WG1647942 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1270 | | 47.8 | 104 | 5 | 04/09/2021 06:47 | WG1648080 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 4.11 | | 0.585 | 2.69 | 25 | 04/09/2021 16:32 | WG1648517 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.1 | | | 77.0-120 | | 04/09/2021 16:32 | WG1648517 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.00203 | | 0.000503 | 0.00108 | 1 | 04/09/2021 12:52 | WG1648487 |
| Toluene | 0.0419 | | 0.00140 | 0.00539 | 1 | 04/09/2021 12:52 | WG1648487 |
| Ethylbenzene | 0.0350 | | 0.000794 | 0.00269 | 1 | 04/09/2021 12:52 | WG1648487 |
| Total Xylenes | 0.0676 | | 0.000948 | 0.00700 | 1 | 04/09/2021 12:52 | WG1648487 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/09/2021 12:52 | WG1648487 |
| (S) 4-Bromofluorobenzene | 96.8 | | | 67.0-138 | | 04/09/2021 12:52 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 | | 04/09/2021 12:52 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 71.6 | | 1.67 | 4.16 | 1 | 04/09/2021 03:22 | WG1648012 |
| C28-C40 Oil Range | 59.8 | | 0.285 | 4.16 | 1 | 04/09/2021 03:22 | WG1648012 |
| (S) o-Terphenyl | 37.9 | | | 18.0-148 | | 04/09/2021 03:22 | WG1648012 |

Collected date/time: 04/06/21 14:40

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.8 | | 1 | 04/08/2021 12:55 | WG1647942 |

1 Cp

2 Tc

3 Ss

4 Cn

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1740 | | 48.0 | 104 | 5 | 04/09/2021 06:56 | WG1648080 |

5 Sr

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0633 | J | 0.0226 | 0.104 | 1 | 04/08/2021 18:39 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.0 | | | 77.0-120 | | 04/08/2021 18:39 | WG1648077 |

6 Qc

7 Gl

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000508 | 0.00109 | 1 | 04/09/2021 13:11 | WG1648487 |
| Toluene | 0.0384 | | 0.00141 | 0.00544 | 1 | 04/08/2021 23:52 | WG1648162 |
| Ethylbenzene | 0.0737 | | 0.000801 | 0.00272 | 1 | 04/08/2021 23:52 | WG1648162 |
| Total Xylenes | 0.167 | | 0.000957 | 0.00707 | 1 | 04/08/2021 23:52 | WG1648162 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/08/2021 23:52 | WG1648162 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/09/2021 13:11 | WG1648487 |
| (S) 4-Bromofluorobenzene | 89.3 | | | 67.0-138 | | 04/08/2021 23:52 | WG1648162 |
| (S) 4-Bromofluorobenzene | 93.1 | | | 67.0-138 | | 04/09/2021 13:11 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 99.3 | | | 70.0-130 | | 04/08/2021 23:52 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/09/2021 13:11 | WG1648487 |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.68 | 4.17 | 1 | 04/09/2021 11:53 | WG1648012 |
| C28-C40 Oil Range | 2.01 | J | 0.286 | 4.17 | 1 | 04/09/2021 11:53 | WG1648012 |
| (S) o-Terphenyl | 45.3 | | | 18.0-148 | | 04/09/2021 11:53 | WG1648012 |

Collected date/time: 04/06/21 14:50

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 89.9 | | 1 | 04/08/2021 12:55 | WG1647942 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 5630 | | 102 | 223 | 10 | 04/09/2021 07:06 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.178 | | 0.0241 | 0.111 | 1 | 04/08/2021 19:01 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.5 | | | 77.0-120 | | 04/08/2021 19:01 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000573 | 0.00123 | 1 | 04/09/2021 13:30 | WG1648487 |
| Toluene | 0.00384 | J | 0.00159 | 0.00613 | 1 | 04/09/2021 00:11 | WG1648162 |
| Ethylbenzene | 0.00261 | J | 0.000904 | 0.00306 | 1 | 04/09/2021 00:11 | WG1648162 |
| Total Xylenes | 0.00929 | | 0.00108 | 0.00797 | 1 | 04/09/2021 00:11 | WG1648162 |
| (S) Toluene-d8 | 111 | | | 75.0-131 | | 04/09/2021 00:11 | WG1648162 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/09/2021 13:30 | WG1648487 |
| (S) 4-Bromofluorobenzene | 93.7 | | | 67.0-138 | | 04/09/2021 00:11 | WG1648162 |
| (S) 4-Bromofluorobenzene | 93.3 | | | 67.0-138 | | 04/09/2021 13:30 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 87.8 | | | 70.0-130 | | 04/09/2021 00:11 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 106 | | | 70.0-130 | | 04/09/2021 13:30 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.79 | 4.45 | 1 | 04/09/2021 02:28 | WG1648012 |
| C28-C40 Oil Range | 14.6 | | 0.305 | 4.45 | 1 | 04/09/2021 02:28 | WG1648012 |
| (S) o-Terphenyl | 55.0 | | | 18.0-148 | | 04/09/2021 02:28 | WG1648012 |

Collected date/time: 04/06/21 15:00

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 90.9 | | 1 | 04/08/2021 12:55 | WG1647942 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 53.3 | | 10.1 | 22.0 | 1 | 04/09/2021 07:15 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0239 | 0.110 | 1 | 04/08/2021 19:24 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.8 | | | 77.0-120 | | 04/08/2021 19:24 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000561 | 0.00120 | 1 | 04/09/2021 13:49 | WG1648487 |
| Toluene | 0.00222 | J | 0.00156 | 0.00601 | 1 | 04/09/2021 00:30 | WG1648162 |
| Ethylbenzene | 0.00132 | J | 0.000886 | 0.00300 | 1 | 04/09/2021 00:30 | WG1648162 |
| Total Xylenes | 0.00409 | J | 0.00106 | 0.00781 | 1 | 04/09/2021 00:30 | WG1648162 |
| (S) Toluene-d8 | 111 | | | 75.0-131 | | 04/09/2021 00:30 | WG1648162 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/09/2021 13:49 | WG1648487 |
| (S) 4-Bromofluorobenzene | 93.6 | | | 67.0-138 | | 04/09/2021 00:30 | WG1648162 |
| (S) 4-Bromofluorobenzene | 95.0 | | | 67.0-138 | | 04/09/2021 13:49 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 90.6 | | | 70.0-130 | | 04/09/2021 00:30 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/09/2021 13:49 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.77 | 4.40 | 1 | 04/09/2021 02:41 | WG1648012 |
| C28-C40 Oil Range | 6.23 | | 0.302 | 4.40 | 1 | 04/09/2021 02:41 | WG1648012 |
| (S) o-Terphenyl | 40.5 | | | 18.0-148 | | 04/09/2021 02:41 | WG1648012 |

Collected date/time: 04/06/21 15:10

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 94.4 | | 1 | 04/08/2021 12:55 | WG1647942 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 10.6 | J | 9.74 | 21.2 | 1 | 04/09/2021 07:25 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0230 | 0.106 | 1 | 04/08/2021 19:46 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.9 | | | 77.0-120 | | 04/08/2021 19:46 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000522 | 0.00112 | 1 | 04/09/2021 14:08 | WG1648487 |
| Toluene | 0.00224 | J | 0.00145 | 0.00559 | 1 | 04/09/2021 00:49 | WG1648162 |
| Ethylbenzene | U | | 0.000824 | 0.00280 | 1 | 04/09/2021 00:49 | WG1648162 |
| Total Xylenes | 0.00134 | J | 0.000984 | 0.00727 | 1 | 04/09/2021 00:49 | WG1648162 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/09/2021 00:49 | WG1648162 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/09/2021 14:08 | WG1648487 |
| (S) 4-Bromofluorobenzene | 89.5 | | | 67.0-138 | | 04/09/2021 00:49 | WG1648162 |
| (S) 4-Bromofluorobenzene | 92.1 | | | 67.0-138 | | 04/09/2021 14:08 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 91.2 | | | 70.0-130 | | 04/09/2021 00:49 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 105 | | | 70.0-130 | | 04/09/2021 14:08 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 11.0 | | 1.71 | 4.24 | 1 | 04/08/2021 23:25 | WG1648014 |
| C28-C40 Oil Range | 11.0 | | 0.290 | 4.24 | 1 | 04/08/2021 23:25 | WG1648014 |
| (S) o-Terphenyl | 40.9 | | | 18.0-148 | | 04/08/2021 23:25 | WG1648014 |

Collected date/time: 04/06/21 15:30

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 98.2 | | 1 | 04/08/2021 12:55 | WG1647942 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 33.7 | | 9.37 | 20.4 | 1 | 04/09/2021 07:53 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1 | 04/08/2021 20:08 | WG1648077 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 92.4 | | | 77.0-120 | | 04/08/2021 20:08 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000484 | 0.00104 | 1 | 04/09/2021 14:27 | WG1648487 |
| Toluene | 0.00164 | J | 0.00135 | 0.00518 | 1 | 04/09/2021 01:08 | WG1648162 |
| Ethylbenzene | U | | 0.000764 | 0.00259 | 1 | 04/09/2021 01:08 | WG1648162 |
| Total Xylenes | U | | 0.000912 | 0.00673 | 1 | 04/09/2021 01:08 | WG1648162 |
| (S) Toluene-d8 | 112 | | | 75.0-131 | | 04/09/2021 01:08 | WG1648162 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/09/2021 14:27 | WG1648487 |
| (S) 4-Bromofluorobenzene | 88.3 | | | 67.0-138 | | 04/09/2021 01:08 | WG1648162 |
| (S) 4-Bromofluorobenzene | 92.6 | | | 67.0-138 | | 04/09/2021 14:27 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 93.3 | | | 70.0-130 | | 04/09/2021 01:08 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 107 | | | 70.0-130 | | 04/09/2021 14:27 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|-------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 26.4 | | 1.64 | 4.07 | 1 | 04/08/2021 23:38 | WG1648014 |
| C28-C40 Oil Range | 40.3 | | 0.279 | 4.07 | 1 | 04/08/2021 23:38 | WG1648014 |
| (S) <i>o</i> -Terphenyl | 35.1 | | | 18.0-148 | | 04/08/2021 23:38 | WG1648014 |

Collected date/time: 04/06/21 15:40

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 98.3 | | 1 | 04/08/2021 12:55 | WG1647942 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 11.2 | J | 9.36 | 20.3 | 1 | 04/09/2021 08:31 | WG1648080 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0270 | J | 0.0221 | 0.102 | 1 | 04/08/2021 20:30 | WG1648077 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.3 | | | 77.0-120 | | 04/08/2021 20:30 | WG1648077 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000483 | 0.00103 | 1 | 04/09/2021 14:46 | WG1648487 |
| Toluene | U | | 0.00134 | 0.00517 | 1 | 04/09/2021 01:27 | WG1648162 |
| Ethylbenzene | U | | 0.000762 | 0.00259 | 1 | 04/09/2021 01:27 | WG1648162 |
| Total Xylenes | U | | 0.000910 | 0.00672 | 1 | 04/09/2021 01:27 | WG1648162 |
| (S) Toluene-d8 | 111 | | | 75.0-131 | | 04/09/2021 01:27 | WG1648162 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/09/2021 14:46 | WG1648487 |
| (S) 4-Bromofluorobenzene | 91.1 | | | 67.0-138 | | 04/09/2021 01:27 | WG1648162 |
| (S) 4-Bromofluorobenzene | 94.1 | | | 67.0-138 | | 04/09/2021 14:46 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 92.3 | | | 70.0-130 | | 04/09/2021 01:27 | WG1648162 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/09/2021 14:46 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 91.4 | | 1.64 | 4.07 | 1 | 04/08/2021 23:51 | WG1648014 |
| C28-C40 Oil Range | 88.8 | | 0.279 | 4.07 | 1 | 04/08/2021 23:51 | WG1648014 |
| (S) o-Terphenyl | 34.9 | | | 18.0-148 | | 04/08/2021 23:51 | WG1648014 |

Collected date/time: 04/06/21 16:00

L1335764

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.8 | | 1 | 04/08/2021 12:55 | WG1647942 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 4090 | | 101 | 220 | 10 | 04/09/2021 08:41 | WG1648080 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 4.98 | | 0.654 | 3.01 | 25 | 04/09/2021 18:31 | WG1648956 |
| (S) a,a,a-Trifluorotoluene(FID) | 108 | | | 77.0-120 | | 04/09/2021 18:31 | WG1648956 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.000662 | J | 0.000562 | 0.00120 | 1 | 04/09/2021 15:05 | WG1648487 |
| Toluene | 0.00581 | J | 0.00156 | 0.00602 | 1 | 04/09/2021 15:05 | WG1648487 |
| Ethylbenzene | 0.0132 | | 0.000887 | 0.00301 | 1 | 04/09/2021 15:05 | WG1648487 |
| Total Xylenes | 0.0370 | | 0.00106 | 0.00782 | 1 | 04/09/2021 15:05 | WG1648487 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/09/2021 15:05 | WG1648487 |
| (S) 4-Bromofluorobenzene | 100 | | | 67.0-138 | | 04/09/2021 15:05 | WG1648487 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 04/09/2021 15:05 | WG1648487 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 225 | | 1.77 | 4.41 | 1 | 04/09/2021 00:04 | WG1648014 |
| C28-C40 Oil Range | 160 | | 0.302 | 4.41 | 1 | 04/09/2021 00:04 | WG1648014 |
| (S) o-Terphenyl | 58.5 | | | 18.0-148 | | 04/09/2021 00:04 | WG1648014 |

| |
|------|
| 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 [L1335764-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3640025-1 04/08/21 13:09

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.000 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1335764-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1335764-04 04/08/21 13:09 • (DUP) R3640025-3 04/08/21 13:09

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 95.8 | 95.8 | 1 | 0.0298 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3640025-2 04/08/21 13:09

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1335764-11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3640023-1 04/08/21 12:55

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.000 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1335764-11 Original Sample (OS) • Duplicate (DUP)

(OS) L1335764-11 04/08/21 12:55 • (DUP) R3640023-3 04/08/21 12:55

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 90.7 | 90.7 | 1 | 0.0299 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3640023-2 04/08/21 12:55

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Wet Chemistry by Method 300.0

L1335764-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R3639960-1 04/09/21 04:05

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | U | | 9.20 | 20.0 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1335764-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1335764-08 04/09/21 05:21 • (DUP) R3639960-3 04/09/21 05:30

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 2630 | 2630 | 5 | 0.285 | | 20 |

L1335764-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1335764-18 04/09/21 07:53 • (DUP) R3639960-4 04/09/21 08:03

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 33.7 | 31.4 | 1 | 6.98 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3639960-2 04/09/21 04:14

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200 | 197 | 98.3 | 90.0-110 | |

L1335764-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1335764-18 04/09/21 07:53 • (MS) R3639960-5 04/09/21 08:12 • (MSD) R3639960-6 04/09/21 08:22

| 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 % |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 509 | 33.7 | 541 | 557 | 99.6 | 103 | 1 | 80.0-120 | | | 3.07 | 20 |

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

[L1335764-01,02,03,04,05,08,09,12,14,15,16,17,18,19](#)

Method Blank (MB)

(MB) R3639885-2 04/08/21 15:48

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.7 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3639885-1 04/08/21 15:04

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.45 | 99.1 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 112 | 77.0-120 | |

L1335764-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1335764-01 04/08/21 20:52 • (MS) R3639885-3 04/09/21 00:32 • (MSD) R3639885-4 04/09/21 00:54

| 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 % |
|------------------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 1160 | 103 | 1260 | 1360 | 100 | 108 | 200 | 10.0-151 | | | 7.23 | 28 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 113 | 114 | | 77.0-120 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1335764-06,07,10,11,13](#)

Method Blank (MB)

(MB) R3640165-2 04/09/21 06:31

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.2 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3640165-1 04/09/21 05:27

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.55 | 101 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 106 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3640197-3 04/09/21 17:32

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

Laboratory Control Sample (LCS)

(LCS) R3640197-2 04/09/21 16:47

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 4.94 | 89.8 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 91.2 | 77.0-120 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1335764-01,02,03,04,08,09,12,14,15,16,17,18,19](#)

Method Blank (MB)

(MB) R3639854-2 04/08/21 22:17

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 112 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 92.5 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 93.3 | | | 70.0-130 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3639854-1 04/08/21 21:19

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Ethylbenzene | 0.125 | 0.122 | 97.6 | 74.0-126 | |
| Toluene | 0.125 | 0.119 | 95.2 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.348 | 92.8 | 72.0-127 | |
| (S) Toluene-d8 | | | 108 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 94.6 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 99.9 | 70.0-130 | |

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

[L1335764-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20](#)

Method Blank (MB)

(MB) R3640128-2 04/09/21 06:35

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 108 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 94.1 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3640128-1 04/09/21 05:38

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.116 | 92.8 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.112 | 89.6 | 74.0-126 | |
| Toluene | 0.125 | 0.112 | 89.6 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.339 | 90.4 | 72.0-127 | |
| (S) Toluene-d8 | | | 101 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 108 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 111 | 70.0-130 | |

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Method Blank (MB)

(MB) R3639879-1 04/08/21 23:15

| 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-C40 Oil Range | U | | 0.274 | 4.00 |
| (S) o-Terphenyl | 61.7 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3639879-2 04/08/21 23:29

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 28.4 | 56.8 | 50.0-150 | |
| (S) o-Terphenyl | | | 51.2 | 18.0-148 | |

L1335734-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1335734-04 04/08/21 23:42 • (MS) R3639879-3 04/08/21 23:55 • (MSD) R3639879-4 04/09/21 00:09

| 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 | 47.7 | U | 21.7 | 24.6 | 45.5 | 52.0 | 1 | 50.0-150 | J6 | | 12.5 | 20 |
| (S) o-Terphenyl | | | | | 39.2 | 43.7 | | 18.0-148 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3639810-1 04/08/21 22:58

| 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-C40 Oil Range | 0.835 | J | 0.274 | 4.00 |
| (S) o-Terphenyl | 54.2 | | | 18.0-148 |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Laboratory Control Sample (LCS)

(LCS) R3639810-2 04/08/21 23:11

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 26.5 | 53.0 | 50.0-150 | |
| (S) o-Terphenyl | | | 50.6 | 18.0-148 | |

L1335272-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1335272-18 04/09/21 06:30 • (MS) R3639810-3 04/09/21 06:43 • (MSD) R3639810-4 04/09/21 06:57

| 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 | 50.0 | 3.27 | 36.7 | 28.8 | 66.9 | 51.3 | 1 | 50.0-150 | | J3 | 24.1 | 20 |
| (S) o-Terphenyl | | | | | 55.3 | 47.9 | | 18.0-148 | | | | |

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. |
| 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. |
| 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. |

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

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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

COPTETRA



Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

1067

U1335764

| | | | |
|---|--|---------------------------|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | COP MCA 151 Flowline release | Contact Info: | Email: christian.llull@tetratech.com Phone: (512) 338-1667 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | 212C-MD-02471 |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | Adrian |
| Comments: COPTETRA Acctnum | | | |

ANALYSIS REQUEST
(Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX TPH TX1005 (Ext to C: |
|---------------------------|-----------------------|----------|--|--------|--|--|---------------------|--|--|--|--------------|----------------|------------|---|
|---------------------------|-----------------------|----------|--|--------|--|--|---------------------|--|--|--|--------------|----------------|------------|---|

| | | | | | |
|--------------------|--------|-------|--------------------|----------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| <i>[Signature]</i> | 4.7.21 | 12:00 | <i>[Signature]</i> | 4.7.21 | 12:00 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| <i>[Signature]</i> | 4.7.21 | 16:00 | <i>[Signature]</i> | 4.7.21 | 16:00 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| <i>[Signature]</i> | | | <i>[Signature]</i> | 04/06/21 | 08:00 |

| | |
|---------------------|---|
| LAB USE ONLY | REMARKS: |
| | <input type="checkbox"/> Standard |
| | <input checked="" type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr. |
| | <input type="checkbox"/> Rush Charges Authorized |
| | <input type="checkbox"/> Special Report Limits or TRRP Report |

ORIGINAL COPY

0260
3.44.13.5

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____



Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

L1335764

| | | | |
|---|--|---------------------------|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | COP MCA 151 Flowline release | Contact Info: | Email: christian.llull@tetratech.com Phone: (512) 338-1667 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | 212C-MD-02471 |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | Adrian |
| Comments: COPTETRA Acctnum | | | |

ANALYSIS REQUEST
(Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX 8260B / 624 | TPH TX1005 (Ext to C: |
|-------------------------------|-----------------------|----------|--|--------|--|--|---------------------|--|--|--|--------------|----------------|------------|------------------|--|
|-------------------------------|-----------------------|----------|--|--------|--|--|---------------------|--|--|--|--------------|----------------|------------|------------------|--|

| | | | | | |
|---------------------------------|--------------|-------------|----------------------------|--------------|-------------|
| Relinquished by: <i>Loc Top</i> | Date: 4.7.21 | Time: 12:00 | Received by: <i>Adrian</i> | Date: 4.7.21 | Time: 12:00 |
| Relinquished by: <i>Adrian</i> | Date: 4.7.21 | Time: 16:00 | Received by: <i>SWA</i> | Date: 4.7.21 | Time: 16:00 |
| Relinquished by: <i>Adrian</i> | Date: 4.7.21 | Time: 08:00 | Received by: <i>Adrian</i> | Date: 4.7.21 | Time: 08:00 |

LAB USE ONLY

Sample Temperature

REMARKS:

☐ Standard

☒ RUSH: Same Day 24 hr. 48 hr. 72 hr.

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N If Applicable

COC Signed/Accurate: ☒ Y ☐ N VOA Zero Headspace: ☒ Y ☐ N

Bottles arrive intact: ☒ Y ☐ N Pres. Correct/Check: ☒ Y ☐ N

Correct bottles used: ☒ Y ☐ N

RAD Screen <0.5 mR/hr: ☒ Y ☐ N

ORIGINAL COPY

A2 68
3-4-153.5

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____



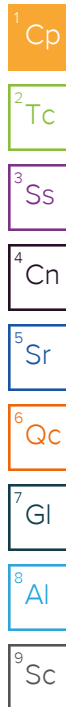
ANALYTICAL REPORT

April 14, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1336950
Samples Received: 04/10/2021
Project Number: 212C-MD-02471
Description: COP MCA 151 Flowline Release

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

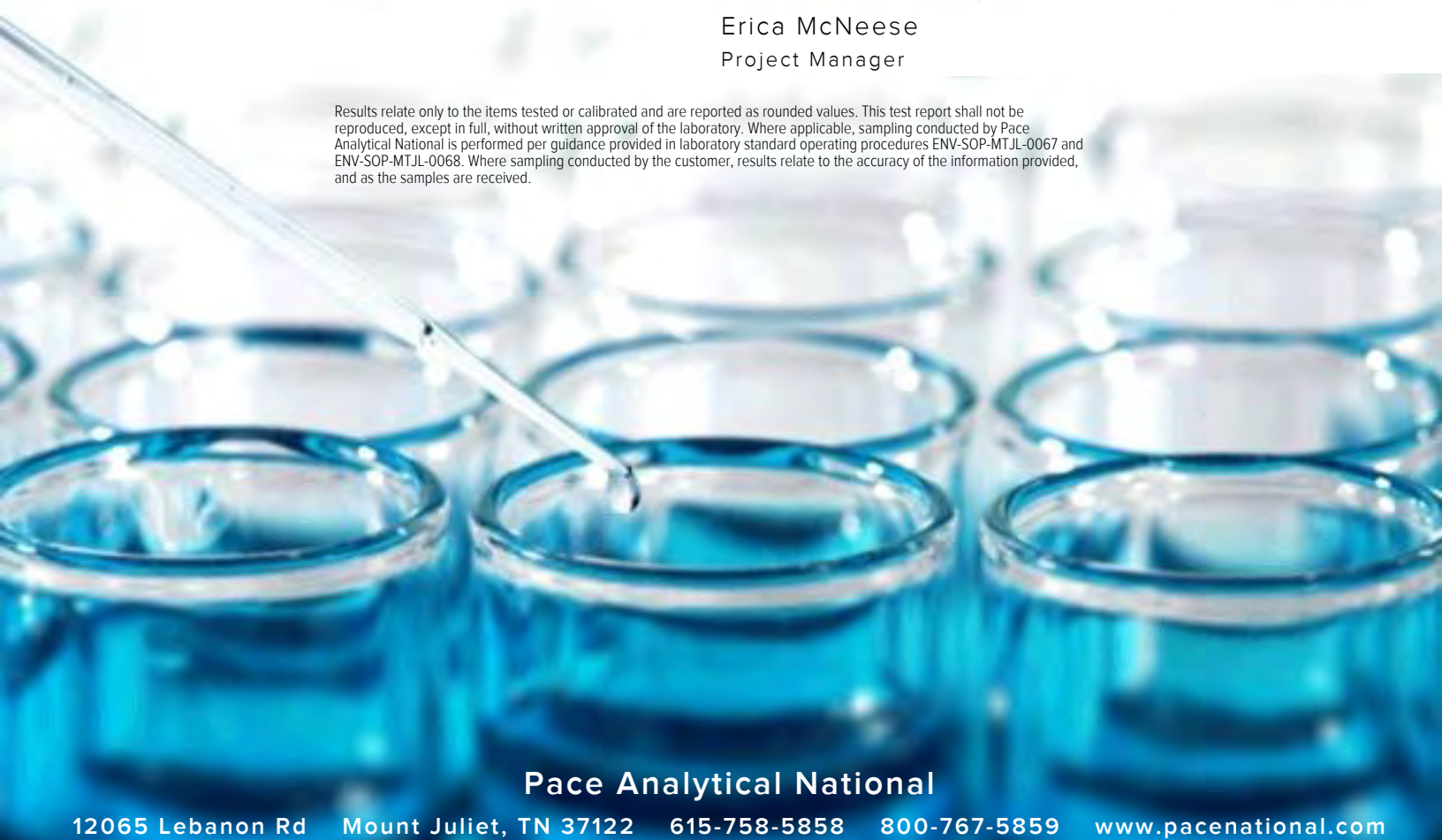


Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Erica McNeese".

Erica McNeese
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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| Cn: Case Narrative | 6 |
| Sr: Sample Results | 7 |
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| AH 30 (1'-2') L1336950-02 | 8 |
| AH 30 (2'-3') L1336950-03 | 9 |
| AH 31 (6"-1') L1336950-04 | 10 |
| AH 31 (1'-2') L1336950-05 | 11 |
| AH 32 (6"-1') L1336950-06 | 12 |
| AH 32 (1'-2') L1336950-07 | 13 |
| AH 32 (2'-3') L1336950-08 | 14 |
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| Volatile Organic Compounds (GC/MS) by Method 8260B | 26 |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 28 |
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| Sc: Sample Chain of Custody | 31 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

AH 30 (6"-1') L1336950-01 Solid

Collected by
Adrian

Collected date/time
04/07/21 11:00

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649745 | 1 | 04/12/21 09:09 | 04/12/21 09:15 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 5 | 04/10/21 21:08 | 04/10/21 22:02 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650162 | 50 | 04/10/21 16:46 | 04/13/21 07:31 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 20 | 04/10/21 16:46 | 04/11/21 11:32 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 20 | 04/11/21 09:26 | 04/12/21 17:56 | JDG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

AH 30 (1'-2') L1336950-02 Solid

Collected by
Adrian

Collected date/time
04/07/21 11:10

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649745 | 1 | 04/12/21 09:09 | 04/12/21 09:15 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 5 | 04/10/21 21:08 | 04/10/21 22:39 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650162 | 1 | 04/10/21 16:46 | 04/13/21 07:54 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 1 | 04/10/21 16:46 | 04/11/21 09:19 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 1 | 04/11/21 09:26 | 04/12/21 14:53 | CAG | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

AH 30 (2'-3') L1336950-03 Solid

Collected by
Adrian

Collected date/time
04/07/21 11:20

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649745 | 1 | 04/12/21 09:09 | 04/12/21 09:15 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 5 | 04/10/21 21:08 | 04/10/21 22:49 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1649653 | 1 | 04/10/21 16:46 | 04/11/21 23:26 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 1 | 04/10/21 16:46 | 04/11/21 09:38 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 1 | 04/11/21 09:26 | 04/12/21 15:32 | AEG | Mt. Juliet, TN |

9 Sc

AH 31 (6"-1') L1336950-04 Solid

Collected by
Adrian

Collected date/time
04/07/21 11:30

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649745 | 1 | 04/12/21 09:09 | 04/12/21 09:15 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 1 | 04/10/21 21:08 | 04/10/21 22:58 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650658 | 500 | 04/10/21 16:46 | 04/13/21 17:22 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 20 | 04/10/21 16:46 | 04/11/21 11:51 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 100 | 04/11/21 09:26 | 04/12/21 18:09 | JDG | Mt. Juliet, TN |

AH 31 (1'-2') L1336950-05 Solid

Collected by
Adrian

Collected date/time
04/07/21 11:50

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649745 | 1 | 04/12/21 09:09 | 04/12/21 09:15 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 1 | 04/10/21 21:08 | 04/10/21 23:08 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650658 | 1 | 04/13/21 14:29 | 04/13/21 16:38 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 1 | 04/10/21 16:46 | 04/11/21 09:57 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 1 | 04/11/21 09:26 | 04/12/21 15:46 | CAG | Mt. Juliet, TN |

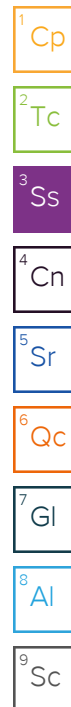
AH 32 (6"-1') L1336950-06 Solid

Collected by
Adrian

Collected date/time
04/07/21 12:00

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649745 | 1 | 04/12/21 09:09 | 04/12/21 09:15 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 10 | 04/10/21 21:08 | 04/10/21 23:36 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650162 | 5000 | 04/10/21 16:46 | 04/13/21 10:52 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 20 | 04/10/21 16:46 | 04/11/21 12:10 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1650399 | 400 | 04/10/21 16:46 | 04/13/21 09:43 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 100 | 04/11/21 09:26 | 04/12/21 18:22 | CAG | Mt. Juliet, TN |



AH 32 (1'-2') L1336950-07 Solid

Collected by
Adrian

Collected date/time
04/07/21 12:10

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649745 | 1 | 04/12/21 09:09 | 04/12/21 09:15 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 10 | 04/10/21 21:08 | 04/10/21 23:46 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1649653 | 250 | 04/10/21 16:46 | 04/12/21 03:14 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 20 | 04/10/21 16:46 | 04/11/21 12:28 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 10 | 04/11/21 09:26 | 04/12/21 17:17 | JDG | Mt. Juliet, TN |

AH 32 (2'-3') L1336950-08 Solid

Collected by
Adrian

Collected date/time
04/07/21 12:20

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649745 | 1 | 04/12/21 09:09 | 04/12/21 09:15 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 10 | 04/10/21 21:08 | 04/10/21 23:55 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650658 | 1 | 04/13/21 14:29 | 04/13/21 17:00 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 1 | 04/10/21 16:46 | 04/11/21 10:16 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 1 | 04/11/21 09:26 | 04/12/21 14:35 | JDG | Mt. Juliet, TN |

AH 32 (3'-4') L1336950-09 Solid

Collected by
Adrian

Collected date/time
04/07/21 13:00

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649745 | 1 | 04/12/21 09:09 | 04/12/21 09:15 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 10 | 04/10/21 21:08 | 04/11/21 00:05 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650162 | 1 | 04/10/21 16:46 | 04/13/21 09:22 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 1 | 04/10/21 16:46 | 04/11/21 10:35 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 1 | 04/11/21 09:26 | 04/12/21 15:06 | AEG | Mt. Juliet, TN |

AH 33 (6"-1') L1336950-10 Solid

Collected by
Adrian

Collected date/time
04/07/21 13:10

Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649747 | 1 | 04/12/21 09:02 | 04/12/21 09:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 5 | 04/10/21 21:08 | 04/11/21 00:15 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650162 | 2500 | 04/10/21 16:46 | 04/13/21 11:14 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 20 | 04/10/21 16:46 | 04/11/21 12:47 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1650399 | 400 | 04/10/21 16:46 | 04/13/21 10:02 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 40 | 04/11/21 09:26 | 04/12/21 17:04 | AEG | Mt. Juliet, TN |

AH 33 (1'-2') L1336950-11 Solid

Collected by
AdrianCollected date/time
04/07/21 13:20Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649747 | 1 | 04/12/21 09:02 | 04/12/21 09:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 1 | 04/10/21 21:08 | 04/11/21 00:24 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650658 | 2500 | 04/10/21 16:46 | 04/13/21 17:44 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 20 | 04/10/21 16:46 | 04/11/21 13:06 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1650399 | 400 | 04/10/21 16:46 | 04/13/21 10:21 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 100 | 04/11/21 09:26 | 04/12/21 17:43 | AEG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

AH 33 (2'-3') L1336950-12 Solid

Collected by
AdrianCollected date/time
04/07/21 14:00Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649747 | 1 | 04/12/21 09:02 | 04/12/21 09:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 1 | 04/10/21 21:08 | 04/11/21 00:34 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650162 | 1 | 04/10/21 16:46 | 04/13/21 09:44 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 1 | 04/10/21 16:46 | 04/11/21 10:54 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 1 | 04/11/21 09:26 | 04/12/21 15:19 | CAG | Mt. Juliet, TN |

AH 33 (3'-4') L1336950-13 Solid

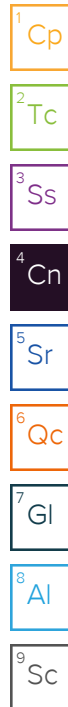
Collected by
AdrianCollected date/time
04/07/21 14:10Received date/time
04/10/21 10:20

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1649747 | 1 | 04/12/21 09:02 | 04/12/21 09:07 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1649358 | 10 | 04/10/21 21:08 | 04/11/21 00:43 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1650162 | 1 | 04/10/21 16:46 | 04/13/21 10:06 | ADM | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1649476 | 1 | 04/10/21 16:46 | 04/11/21 11:13 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1649461 | 1 | 04/11/21 09:26 | 04/12/21 15:59 | JDG | Mt. Juliet, TN |

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.



Erica McNeese
Project Manager



Collected date/time: 04/07/21 11:00

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.4 | | 1 | 04/12/2021 09:15 | WG1649745 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1260 | J6 | 48.7 | 106 | 5 | 04/10/2021 22:02 | WG1649358 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 500 | | 1.22 | 5.60 | 50 | 04/13/2021 07:31 | WG1650162 |
| (S) a,a,a-Trifluorotoluene(FID) | 102 | | | 77.0-120 | | 04/13/2021 07:31 | WG1650162 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.0105 | 0.0224 | 20 | 04/11/2021 11:32 | WG1649476 |
| Toluene | 3.11 | | 0.0291 | 0.112 | 20 | 04/11/2021 11:32 | WG1649476 |
| Ethylbenzene | 12.5 | | 0.0165 | 0.0560 | 20 | 04/11/2021 11:32 | WG1649476 |
| Total Xylenes | 22.8 | | 0.0197 | 0.146 | 20 | 04/11/2021 11:32 | WG1649476 |
| (S) Toluene-d8 | 101 | | | 75.0-131 | | 04/11/2021 11:32 | WG1649476 |
| (S) 4-Bromofluorobenzene | 113 | | | 67.0-138 | | 04/11/2021 11:32 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 117 | | | 70.0-130 | | 04/11/2021 11:32 | WG1649476 |

Sample Narrative:

L1336950-01 WG1649476: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3080 | | 34.1 | 84.8 | 20 | 04/12/2021 17:56 | WG1649461 |
| C28-C40 Oil Range | 1610 | | 5.81 | 84.8 | 20 | 04/12/2021 17:56 | WG1649461 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/12/2021 17:56 | WG1649461 |

Collected date/time: 04/07/21 11:10

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.2 | | 1 | 04/12/2021 09:15 | WG1649745 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1190 | | 47.8 | 104 | 5 | 04/10/2021 22:39 | WG1649358 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0743 | J | 0.0226 | 0.104 | 1 | 04/13/2021 07:54 | WG1650162 |
| (S) a,a,a-Trifluorotoluene(FID) | 103 | | | 77.0-120 | | 04/13/2021 07:54 | WG1650162 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000504 | 0.00108 | 1 | 04/11/2021 09:19 | WG1649476 |
| Toluene | 0.00251 | J | 0.00140 | 0.00540 | 1 | 04/11/2021 09:19 | WG1649476 |
| Ethylbenzene | 0.00616 | | 0.000796 | 0.00270 | 1 | 04/11/2021 09:19 | WG1649476 |
| Total Xylenes | 0.0132 | | 0.000950 | 0.00702 | 1 | 04/11/2021 09:19 | WG1649476 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/11/2021 09:19 | WG1649476 |
| (S) 4-Bromofluorobenzene | 94.6 | | | 67.0-138 | | 04/11/2021 09:19 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 109 | | | 70.0-130 | | 04/11/2021 09:19 | WG1649476 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 4.66 | | 1.67 | 4.16 | 1 | 04/12/2021 14:53 | WG1649461 |
| C28-C40 Oil Range | 4.23 | B | 0.285 | 4.16 | 1 | 04/12/2021 14:53 | WG1649461 |
| (S) o-Terphenyl | 55.7 | | | 18.0-148 | | 04/12/2021 14:53 | WG1649461 |

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

Collected date/time: 04/07/21 11:20

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.3 | | 1 | 04/12/2021 09:15 | WG1649745 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 2420 | | 49.3 | 107 | 5 | 04/10/2021 22:49 | WG1649358 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.355 | | 0.0232 | 0.107 | 1 | 04/11/2021 23:26 | WG1649653 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.3 | | | 77.0-120 | | 04/11/2021 23:26 | WG1649653 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | 0.000857 | J | 0.000534 | 0.00114 | 1 | 04/11/2021 09:38 | WG1649476 |
| Toluene | 0.0310 | | 0.00149 | 0.00571 | 1 | 04/11/2021 09:38 | WG1649476 |
| Ethylbenzene | 0.0704 | | 0.000842 | 0.00286 | 1 | 04/11/2021 09:38 | WG1649476 |
| Total Xylenes | 0.193 | | 0.00101 | 0.00743 | 1 | 04/11/2021 09:38 | WG1649476 |
| (S) Toluene-d8 | 102 | | | 75.0-131 | | 04/11/2021 09:38 | WG1649476 |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 | | 04/11/2021 09:38 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 113 | | | 70.0-130 | | 04/11/2021 09:38 | WG1649476 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.55 | J | 1.72 | 4.29 | 1 | 04/12/2021 15:32 | WG1649461 |
| C28-C40 Oil Range | 10.0 | B | 0.294 | 4.29 | 1 | 04/12/2021 15:32 | WG1649461 |
| (S) o-Terphenyl | 50.2 | | | 18.0-148 | | 04/12/2021 15:32 | WG1649461 |

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

Collected date/time: 04/07/21 11:30

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.5 | | 1 | 04/12/2021 09:15 | WG1649745 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 39.5 | | 9.34 | 20.3 | 1 | 04/10/2021 22:58 | WG1649358 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 1230 | | 11.2 | 51.5 | 500 | 04/13/2021 17:22 | WG1650658 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 106 | | | 77.0-120 | | 04/13/2021 17:22 | WG1650658 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | 0.0170 | J | 0.00962 | 0.0206 | 20 | 04/11/2021 11:51 | WG1649476 |
| Toluene | 3.38 | | 0.0268 | 0.103 | 20 | 04/11/2021 11:51 | WG1649476 |
| Ethylbenzene | 19.0 | | 0.0151 | 0.0515 | 20 | 04/11/2021 11:51 | WG1649476 |
| Total Xylenes | 37.5 | | 0.0181 | 0.134 | 20 | 04/11/2021 11:51 | WG1649476 |
| (S) <i>Toluene-d8</i> | 96.0 | | | 75.0-131 | | 04/11/2021 11:51 | WG1649476 |
| (S) <i>4-Bromofluorobenzene</i> | 118 | | | 67.0-138 | | 04/11/2021 11:51 | WG1649476 |
| (S) <i>1,2-Dichloroethane-d4</i> | 118 | | | 70.0-130 | | 04/11/2021 11:51 | WG1649476 |

Sample Narrative:

L1336950-04 WG1649476: Non-target compounds too high to run at a lower dilution.

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|-------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 11700 | | 163 | 406 | 100 | 04/12/2021 18:09 | WG1649461 |
| C28-C40 Oil Range | 8060 | | 27.8 | 406 | 100 | 04/12/2021 18:09 | WG1649461 |
| (S) <i>o</i> -Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/12/2021 18:09 | WG1649461 |

Sample Narrative:

L1336950-04 WG1649461: Surrogate failure due to matrix interference

Collected date/time: 04/07/21 11:50

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.9 | | 1 | 04/12/2021 09:15 | WG1649745 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 35.6 | | 9.69 | 21.1 | 1 | 04/10/2021 23:08 | WG1649358 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0697 | J | 0.0229 | 0.105 | 1 | 04/13/2021 16:38 | WG1650658 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | | 77.0-120 | | 04/13/2021 16:38 | WG1650658 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000517 | 0.00111 | 1 | 04/11/2021 09:57 | WG1649476 |
| Toluene | 0.00363 | J | 0.00144 | 0.00553 | 1 | 04/11/2021 09:57 | WG1649476 |
| Ethylbenzene | 0.0125 | | 0.000816 | 0.00277 | 1 | 04/11/2021 09:57 | WG1649476 |
| Total Xylenes | 0.0280 | | 0.000974 | 0.00720 | 1 | 04/11/2021 09:57 | WG1649476 |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 04/11/2021 09:57 | WG1649476 |
| (S) 4-Bromofluorobenzene | 97.9 | | | 67.0-138 | | 04/11/2021 09:57 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 114 | | | 70.0-130 | | 04/11/2021 09:57 | WG1649476 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 71.4 | | 1.70 | 4.21 | 1 | 04/12/2021 15:46 | WG1649461 |
| C28-C40 Oil Range | 46.3 | | 0.289 | 4.21 | 1 | 04/12/2021 15:46 | WG1649461 |
| (S) o-Terphenyl | 31.5 | | | 18.0-148 | | 04/12/2021 15:46 | WG1649461 |

Collected date/time: 04/07/21 12:00

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 93.4 | | 1 | 04/12/2021 09:15 | WG1649745 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 3570 | | 98.5 | 214 | 10 | 04/10/2021 23:36 | WG1649358 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 4830 | | 124 | 571 | 5000 | 04/13/2021 10:52 | WG1650162 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 95.0 | | | 77.0-120 | | 04/13/2021 10:52 | WG1650162 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 11.6 | | 0.0107 | 0.0228 | 20 | 04/11/2021 12:10 | WG1649476 |
| Toluene | 324 | | 0.594 | 2.28 | 400 | 04/13/2021 09:43 | WG1650399 |
| Ethylbenzene | 233 | | 0.337 | 1.14 | 400 | 04/13/2021 09:43 | WG1650399 |
| Total Xylenes | 160 | | 0.0201 | 0.148 | 20 | 04/11/2021 12:10 | WG1649476 |
| (S) Toluene-d8 | 97.8 | | | 75.0-131 | | 04/11/2021 12:10 | WG1649476 |
| (S) Toluene-d8 | 97.9 | | | 75.0-131 | | 04/13/2021 09:43 | WG1650399 |
| (S) 4-Bromofluorobenzene | 120 | | | 67.0-138 | | 04/11/2021 12:10 | WG1649476 |
| (S) 4-Bromofluorobenzene | 112 | | | 67.0-138 | | 04/13/2021 09:43 | WG1650399 |
| (S) 1,2-Dichloroethane-d4 | 115 | | | 70.0-130 | | 04/11/2021 12:10 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 120 | | | 70.0-130 | | 04/13/2021 09:43 | WG1650399 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|--------------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 14600 | | 172 | 428 | 100 | 04/12/2021 18:22 | WG1649461 |
| C28-C40 Oil Range | 10300 | | 29.3 | 428 | 100 | 04/12/2021 18:22 | WG1649461 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/12/2021 18:22 | WG1649461 |

Collected date/time: 04/07/21 12:10

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.9 | | 1 | 04/12/2021 09:15 | WG1649745 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 3850 | | 97.0 | 211 | 10 | 04/10/2021 23:46 | WG1649358 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 398 | | 6.02 | 27.7 | 250 | 04/12/2021 03:14 | WG1649653 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.9 | | | 77.0-120 | | 04/12/2021 03:14 | WG1649653 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | 0.810 | | 0.0104 | 0.0222 | 20 | 04/11/2021 12:28 | WG1649476 |
| Toluene | 19.1 | | 0.0288 | 0.111 | 20 | 04/11/2021 12:28 | WG1649476 |
| Ethylbenzene | 10.9 | | 0.0163 | 0.0554 | 20 | 04/11/2021 12:28 | WG1649476 |
| Total Xylenes | 13.9 | | 0.0195 | 0.144 | 20 | 04/11/2021 12:28 | WG1649476 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/11/2021 12:28 | WG1649476 |
| (S) 4-Bromofluorobenzene | 96.3 | | | 67.0-138 | | 04/11/2021 12:28 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 116 | | | 70.0-130 | | 04/11/2021 12:28 | WG1649476 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|--------------------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1320 | | 17.0 | 42.2 | 10 | 04/12/2021 17:17 | WG1649461 |
| C28-C40 Oil Range | 1600 | | 2.89 | 42.2 | 10 | 04/12/2021 17:17 | WG1649461 |
| (S) o-Terphenyl | 0.000 | J2 | | 18.0-148 | | 04/12/2021 17:17 | WG1649461 |

Sample Narrative:

L1336950-07 WG1649461: Surrogate failure due to matrix interference

Collected date/time: 04/07/21 12:20

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.1 | | 1 | 04/12/2021 09:15 | WG1649745 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 2490 | | 97.7 | 212 | 10 | 04/10/2021 23:55 | WG1649358 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0231 | 0.106 | 1 | 04/13/2021 17:00 | WG1650658 |
| (S) a,a,a-Trifluorotoluene(FID) | 104 | | | 77.0-120 | | 04/13/2021 17:00 | WG1650658 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000525 | 0.00112 | 1 | 04/11/2021 10:16 | WG1649476 |
| Toluene | 0.00264 | J | 0.00146 | 0.00562 | 1 | 04/11/2021 10:16 | WG1649476 |
| Ethylbenzene | 0.00150 | J | 0.000829 | 0.00281 | 1 | 04/11/2021 10:16 | WG1649476 |
| Total Xylenes | 0.00112 | J | 0.000989 | 0.00731 | 1 | 04/11/2021 10:16 | WG1649476 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/11/2021 10:16 | WG1649476 |
| (S) 4-Bromofluorobenzene | 93.6 | | | 67.0-138 | | 04/11/2021 10:16 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 108 | | | 70.0-130 | | 04/11/2021 10:16 | WG1649476 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.93 | J | 1.71 | 4.25 | 1 | 04/12/2021 14:35 | WG1649461 |
| C28-C40 Oil Range | 3.15 | B J | 0.291 | 4.25 | 1 | 04/12/2021 14:35 | WG1649461 |
| (S) o-Terphenyl | 44.7 | | | 18.0-148 | | 04/12/2021 14:35 | WG1649461 |

Collected date/time: 04/07/21 13:00

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 87.9 | | 1 | 04/12/2021 09:15 | WG1649745 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 5000 | | 105 | 228 | 10 | 04/11/2021 00:05 | WG1649358 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0625 | <u>J</u> | 0.0247 | 0.114 | 1 | 04/13/2021 09:22 | WG1650162 |
| (S) a,a,a-Trifluorotoluene(FID) | 102 | | | 77.0-120 | | 04/13/2021 09:22 | WG1650162 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.00187 | | 0.000595 | 0.00127 | 1 | 04/11/2021 10:35 | WG1649476 |
| Toluene | 0.00685 | | 0.00166 | 0.00637 | 1 | 04/11/2021 10:35 | WG1649476 |
| Ethylbenzene | 0.00463 | | 0.000940 | 0.00319 | 1 | 04/11/2021 10:35 | WG1649476 |
| Total Xylenes | 0.00399 | <u>J</u> | 0.00112 | 0.00829 | 1 | 04/11/2021 10:35 | WG1649476 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/11/2021 10:35 | WG1649476 |
| (S) 4-Bromofluorobenzene | 93.1 | | | 67.0-138 | | 04/11/2021 10:35 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 110 | | | 70.0-130 | | 04/11/2021 10:35 | WG1649476 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 4.19 | <u>J</u> | 1.83 | 4.55 | 1 | 04/12/2021 15:06 | WG1649461 |
| C28-C40 Oil Range | 5.32 | <u>B</u> | 0.312 | 4.55 | 1 | 04/12/2021 15:06 | WG1649461 |
| (S) o-Terphenyl | 60.3 | | | 18.0-148 | | 04/12/2021 15:06 | WG1649461 |

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

Collected date/time: 04/07/21 13:10

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 96.0 | | 1 | 04/12/2021 09:07 | WG1649747 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 1030 | | 47.9 | 104 | 5 | 04/11/2021 00:15 | WG1649358 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 3750 | | 58.8 | 271 | 2500 | 04/13/2021 11:14 | WG1650162 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.3 | | | 77.0-120 | | 04/13/2021 11:14 | WG1650162 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 7.84 | | 0.0101 | 0.0217 | 20 | 04/11/2021 12:47 | WG1649476 |
| Toluene | 237 | | 0.563 | 2.17 | 400 | 04/13/2021 10:02 | WG1650399 |
| Ethylbenzene | 191 | | 0.319 | 1.08 | 400 | 04/13/2021 10:02 | WG1650399 |
| Total Xylenes | 268 | | 0.381 | 2.81 | 400 | 04/13/2021 10:02 | WG1650399 |
| (S) Toluene-d8 | 114 | | | 75.0-131 | | 04/11/2021 12:47 | WG1649476 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 04/13/2021 10:02 | WG1650399 |
| (S) 4-Bromofluorobenzene | 132 | | | 67.0-138 | | 04/11/2021 12:47 | WG1649476 |
| (S) 4-Bromofluorobenzene | 108 | | | 67.0-138 | | 04/13/2021 10:02 | WG1650399 |
| (S) 1,2-Dichloroethane-d4 | 114 | | | 70.0-130 | | 04/11/2021 12:47 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 114 | | | 70.0-130 | | 04/13/2021 10:02 | WG1650399 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|--------------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 9540 | | 67.1 | 167 | 40 | 04/12/2021 17:04 | WG1649461 |
| C28-C40 Oil Range | 5930 | | 11.5 | 167 | 40 | 04/12/2021 17:04 | WG1649461 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/12/2021 17:04 | WG1649461 |

Collected date/time: 04/07/21 13:20

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 96.7 | | 1 | 04/12/2021 09:07 | WG1649747 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 826 | | 9.51 | 20.7 | 1 | 04/11/2021 00:24 | WG1649358 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 4470 | | 58.0 | 267 | 2500 | 04/13/2021 17:44 | WG1650658 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.3 | | | 77.0-120 | | 04/13/2021 17:44 | WG1650658 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 19.4 | | 0.00998 | 0.0214 | 20 | 04/11/2021 13:06 | WG1649476 |
| Toluene | 388 | | 0.556 | 2.14 | 400 | 04/13/2021 10:21 | WG1650399 |
| Ethylbenzene | 255 | | 0.315 | 1.07 | 400 | 04/13/2021 10:21 | WG1650399 |
| Total Xylenes | 345 | | 0.376 | 2.78 | 400 | 04/13/2021 10:21 | WG1650399 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/11/2021 13:06 | WG1649476 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 04/13/2021 10:21 | WG1650399 |
| (S) 4-Bromofluorobenzene | 111 | | | 67.0-138 | | 04/11/2021 13:06 | WG1649476 |
| (S) 4-Bromofluorobenzene | 98.6 | | | 67.0-138 | | 04/13/2021 10:21 | WG1650399 |
| (S) 1,2-Dichloroethane-d4 | 112 | | | 70.0-130 | | 04/11/2021 13:06 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 117 | | | 70.0-130 | | 04/13/2021 10:21 | WG1650399 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|--------------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 9520 | | 167 | 414 | 100 | 04/12/2021 17:43 | WG1649461 |
| C28-C40 Oil Range | 6250 | | 28.3 | 414 | 100 | 04/12/2021 17:43 | WG1649461 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/12/2021 17:43 | WG1649461 |

Collected date/time: 04/07/21 14:00

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.5 | | 1 | 04/12/2021 09:07 | WG1649747 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 675 | | 9.53 | 20.7 | 1 | 04/11/2021 00:34 | WG1649358 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.445 | | 0.0225 | 0.104 | 1 | 04/13/2021 09:44 | WG1650162 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | | 77.0-120 | | 04/13/2021 09:44 | WG1650162 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.00164 | | 0.000501 | 0.00107 | 1 | 04/11/2021 10:54 | WG1649476 |
| Toluene | 0.0159 | | 0.00139 | 0.00536 | 1 | 04/11/2021 10:54 | WG1649476 |
| Ethylbenzene | 0.0111 | | 0.000790 | 0.00268 | 1 | 04/11/2021 10:54 | WG1649476 |
| Total Xylenes | 0.0181 | | 0.000943 | 0.00697 | 1 | 04/11/2021 10:54 | WG1649476 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/11/2021 10:54 | WG1649476 |
| (S) 4-Bromofluorobenzene | 92.6 | | | 67.0-138 | | 04/11/2021 10:54 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 114 | | | 70.0-130 | | 04/11/2021 10:54 | WG1649476 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 7.97 | | 1.67 | 4.14 | 1 | 04/12/2021 15:19 | WG1649461 |
| C28-C40 Oil Range | 6.43 | B | 0.284 | 4.14 | 1 | 04/12/2021 15:19 | WG1649461 |
| (S) o-Terphenyl | 68.3 | | | 18.0-148 | | 04/12/2021 15:19 | WG1649461 |

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

Collected date/time: 04/07/21 14:10

L1336950

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 87.5 | | 1 | 04/12/2021 09:07 | WG1649747 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 10400 | | 105 | 229 | 10 | 04/11/2021 00:43 | WG1649358 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.816 | | 0.0248 | 0.114 | 1 | 04/13/2021 10:06 | WG1650162 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.9 | | | 77.0-120 | | 04/13/2021 10:06 | WG1650162 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.00184 | | 0.000600 | 0.00129 | 1 | 04/11/2021 11:13 | WG1649476 |
| Toluene | 0.0202 | | 0.00167 | 0.00643 | 1 | 04/11/2021 11:13 | WG1649476 |
| Ethylbenzene | 0.0270 | | 0.000948 | 0.00321 | 1 | 04/11/2021 11:13 | WG1649476 |
| Total Xylenes | 0.0447 | | 0.00113 | 0.00836 | 1 | 04/11/2021 11:13 | WG1649476 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 04/11/2021 11:13 | WG1649476 |
| (S) 4-Bromofluorobenzene | 91.9 | | | 67.0-138 | | 04/11/2021 11:13 | WG1649476 |
| (S) 1,2-Dichloroethane-d4 | 113 | | | 70.0-130 | | 04/11/2021 11:13 | WG1649476 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 73.6 | | 1.84 | 4.57 | 1 | 04/12/2021 15:59 | WG1649461 |
| C28-C40 Oil Range | 58.3 | | 0.313 | 4.57 | 1 | 04/12/2021 15:59 | WG1649461 |
| (S) o-Terphenyl | 40.0 | | | 18.0-148 | | 04/12/2021 15:59 | WG1649461 |

Total Solids by Method 2540 G-2011 [L1336950-01,02,03,04,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3641022-1 04/12/21 09:15

| | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1336950-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1336950-02 04/12/21 09:15 • (DUP) R3641022-3 04/12/21 09:15

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 96.2 | 96.0 | 1 | 0.118 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3641022-2 04/12/21 09:15

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1336950-10,11,12,13](#)

Method Blank (MB)

(MB) R3641020-1 04/12/21 09:07

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.000 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1336950-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1336950-13 04/12/21 09:07 • (DUP) R3641020-3 04/12/21 09:07

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 87.5 | 87.1 | 1 | 0.498 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3641020-2 04/12/21 09:07

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Wet Chemistry by Method 300.0

[L1336950-01,02,03,04,05,06,07,08,09,10,11,12,13](#)

Method Blank (MB)

(MB) R3640882-1 04/10/21 21:26

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | U | | 9.20 | 20.0 |

L1336950-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1336950-01 04/10/21 22:02 • (DUP) R3640882-3 04/10/21 22:11

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 1260 | 1350 | 5 | 7.07 | | 20 |

L1336232-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1336232-01 04/11/21 00:53 • (DUP) R3640882-6 04/11/21 01:02

| Analyte | Original Result mg/kg | DUP Result mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Chloride | 12.4 | 11.1 | 1 | 11.3 | <u>J</u> | 20 |

Laboratory Control Sample (LCS)

(LCS) R3640882-2 04/10/21 21:36

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200 | 197 | 98.3 | 90.0-110 | |

L1336950-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1336950-01 04/10/21 22:02 • (MS) R3640882-4 04/10/21 22:20 • (MSD) R3640882-5 04/10/21 22:30

| 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 % |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 2650 | 1260 | 1840 | 1580 | 21.8 | 12.2 | 5 | 80.0-120 | <u>J6</u> | <u>J6</u> | 14.9 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3640916-2 04/11/21 18:12

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.4 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3640916-1 04/11/21 17:28

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.60 | 102 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 106 | 77.0-120 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1336950-01,02,06,09,10,12,13](#)

Method Blank (MB)

(MB) R3641198-2 04/13/21 04:20

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 108 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3641198-1 04/13/21 03:27

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.33 | 96.9 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 98.3 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3641391-2 04/13/21 14:32

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 108 | | | 77.0-120 |

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

(LCS) R3641391-1 04/13/21 13:48 • (LCSD) R3641391-3 04/13/21 15:53

| 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 % |
|------------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.36 | 4.85 | 97.5 | 88.2 | 72.0-127 | | | 9.99 | 20 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | 97.6 | 97.0 | 77.0-120 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1336950-01,02,03,04,05,06,07,08,09,10,11,12,13

Method Blank (MB)

(MB) R3640936-2 04/11/21 06:27

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 107 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 96.9 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 109 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3640936-1 04/11/21 05:30

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.129 | 103 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.118 | 94.4 | 74.0-126 | |
| Toluene | 0.125 | 0.119 | 95.2 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.363 | 96.8 | 72.0-127 | |
| (S) Toluene-d8 | | | 99.3 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 106 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 119 | 70.0-130 | |

L1336661-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1336661-06 04/11/21 14:59 • (MS) R3640936-3 04/11/21 15:37 • (MSD) R3640936-4 04/11/21 15:56

| 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 % |
|---------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.990 | 0.197 | 1.06 | 1.21 | 87.2 | 102 | 8 | 10.0-149 | | | 13.2 | 37 |
| Ethylbenzene | 0.990 | 7.55 | 9.18 | 9.44 | 165 | 191 | 8 | 10.0-160 | V | V | 2.79 | 38 |
| Toluene | 0.990 | 0.304 | 1.20 | 1.31 | 90.5 | 102 | 8 | 10.0-156 | | | 8.76 | 38 |
| Xylenes, Total | 2.97 | 7.24 | 10.4 | 10.9 | 106 | 123 | 8 | 10.0-160 | | | 4.69 | 38 |
| (S) Toluene-d8 | | | | | 102 | 102 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 99.4 | 94.6 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 117 | 117 | | 70.0-130 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1336950-06.10.11

Method Blank (MB)

(MB) R3641144-3 04/13/21 06:01

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 107 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 92.6 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 110 | | | 70.0-130 |

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

(LCS) R3641144-1 04/13/21 04:45 • (LCSD) R3641144-2 04/13/21 05:03

| 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 % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethylbenzene | 0.125 | 0.111 | 0.114 | 88.8 | 91.2 | 74.0-126 | | | 2.67 | 20 |
| Toluene | 0.125 | 0.118 | 0.127 | 94.4 | 102 | 75.0-121 | | | 7.35 | 20 |
| Xylenes, Total | 0.375 | 0.336 | 0.354 | 89.6 | 94.4 | 72.0-127 | | | 5.22 | 20 |
| (S) Toluene-d8 | | | | | 102 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 94.1 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 114 | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3640858-1 04/12/21 11:55

| 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-C40 Oil Range | 1.29 | ⌵ | 0.274 | 4.00 |
| (S) o-Terphenyl | 48.3 | | | 18.0-148 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3640858-2 04/12/21 12:09

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 36.2 | 72.4 | 50.0-150 | |
| (S) o-Terphenyl | | | 78.8 | 18.0-148 | |

L1336686-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1336686-03 04/12/21 12:50 • (MS) R3640858-3 04/12/21 13:04 • (MSD) R3640858-4 04/12/21 13:17

| 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 % |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 50.1 | 3.42 | 33.7 | 34.1 | 60.6 | 62.2 | 1 | 50.0-150 | | | 1.19 | 20 |
| (S) o-Terphenyl | | | | | 58.6 | 58.9 | | 18.0-148 | | | | |

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. |
| J2 | Surrogate recovery limits have been exceeded; values are outside lower control limits. |
| 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. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

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

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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Analysis Request of Chain of Custody Record

E099

Page : 1 of 2

**Tetra Tech, Inc.**
 901 West Wall Street, Suite 100
 Midland, Texas 79701
 Tel (432) 682-4559
 Fax (432) 682-3946

L1336990

| | | | |
|---|--|---------------------------|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | COP MCA 151 Flowline release | Contact Info: | Email: christian.llull@tetratech.com Phone: (512) 338-1667 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | 212C-MD-02471 |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | Adrian |
| Comments: COPTETRA Acctnum | | | |

ANALYSIS REQUEST
 (Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX 8021B | BTEX 8021B | TPH TX1005 (Ext to C5) | TPH 8015M (GRO - DI) | PAH 8270C | Total Metals Ag As Ba Cd Cr Cu Pb Se V Zn | TCLP Metals Ag As Ba Cd Cr Cu Pb Se V Zn | TCLP Volatiles | TCLP Semi Volatiles | RCL | GC/MS Vol. 8260B / 62 | GC/MS Semi. Vol. 8270 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate T | General Water Chemist | Anion/Cation Balance | TPH 8015R | HOLD | | |
|-------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|------------|------------|------------------------|----------------------|-----------|---|--|----------------|---------------------|-----|-----------------------|-----------------------|------------------|------|----------------|----------------|--------------------|-----------------------|----------------------|-----------|------|--|--|
| | | YEAR: 2020 | | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -01 | AH 30 (6"-1') | 4/7/2021 | 1100 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |
| -02 | AH 30 (1'-2') | 4/7/2021 | 1110 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |
| -03 | AH 30 (2'-3') | 4/7/2021 | 1120 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |
| -04 | AH 31 (6"-1') | 4/7/2021 | 1130 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |
| -05 | AH 31 (1'-2') | 4/7/2021 | 1150 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |
| -06 | AH 32 (6"-1') | 4/7/2021 | 1200 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |
| -07 | AH 32 (1'-2') | 4/7/2021 | 1210 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |
| -08 | AH 32 (2'-3') | 4/7/2021 | 1220 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |
| -09 | AH 32 (3'-4') | 4/7/2021 | 1300 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |
| -10 | AH 33 (6"-1') | 4/7/2021 | 1310 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | X | | | | | | |

| | | | | | |
|------------------|--------|-------|--------------|---------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Adrian Garcia | 4.9.21 | 12:30 | Kurt | 4.9.21 | 12:30 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| [Signature] | 4.9.21 | 14:30 | SA | 4.9.21 | 14:30 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | [Signature] | 4-10-21 | 16:20 |

LAB USE ONLY

Sample Temperature

REMARKS:

- ☐ Standard
- ☒ RUSH: Same Day 24 hr. 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

ORIGINAL COPY

 0260
 2.84-1.29

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

21336980

Pioneer Natural Resources Environmental Project Invoicing FormGroup: Permian Operations and ConstructionSub Group: Hwy 80 Vertical

Case Number: _____ Incident Date: _____

Operations Contact (Invoice Approver): ROBERT FLORESEnvironmental Contact: Jeanne Fitch Phone: (432) 894-7562Location Name: UNIVERSITY 7-43 1D SWD

Location Description: _____

TK 551 cleanoutNO INVOICE STAMP REQUIRED FOR THIS PROJECT

AFE(s): _____

1) PAT1083826 Department Number: _____

2) _____ Unit Number: _____

3) _____

Instructions:

THIS FORM IS TO BE USED FOR ALL ENVIRONMENTAL REMEDIATION PROJECTS RESULTING FROM SPILLS OR RELEASES. A COMPLETED COPY MUST ACCOMPANY EACH INVOICE SUBMITTED FOR THE PROJECT. ATTACH A COPY IMMEDIATELY BEHIND THE INVOICE BEFORE ANY OTHER BACKUP DOCUMENTATION.

THIRD PARTY BILLING: A completed copy of this form must be provided to all third parties working under your direction who will bill Pioneer directly, and

C1336950

Pioneer Natural Resources Environmental Project Invoicing FormGroup: Permian Operations and ConstructionSub Group: Hwy 80 Vertical

Case Number: _____ Incident Date: _____

Operations Contact (Invoice Approver): BEACH BEAUCHAMPEnvironmental Contact: Jeanne Fitch Phone: (432) 894-7562Location Name: Brunley 59A TB

Location Description: _____

v302 cleanupNO INVOICE STAMP REQUIRED FOR THIS PROJECT

AFE(s):

1) PAT1079952 Department Number: _____

2) _____ Unit Number: _____

3) _____

Instructions:

THIS FORM IS TO BE USED FOR ALL ENVIRONMENTAL REMEDIATION PROJECTS RESULTING FROM SPILLS OR RELEASES. A COMPLETED COPY MUST ACCOMPANY EACH INVOICE SUBMITTED FOR THE PROJECT. ATTACH A COPY IMMEDIATELY BEHIND THE INVOICE BEFORE ANY OTHER BACKUP DOCUMENTATION.

THIRD PARTY BILLING: A completed copy of this form must be provided to all third parties working under your direction who will bill Pioneer directly, and

L 1336950

Pioneer Natural Resources Environmental Project Invoicing FormGroup: Permian Operations and ConstructionSub Group: Hwy 80 Vertical

Case Number: _____ Incident Date: _____

Operations Contact (Invoice Approver): ROBERT FLORESEnvironmental Contact: Jeanne Fitch Phone: (432) 894-7562Location Name: UNIVERSITY 7-43 1D SWD

Location Description:

TK 553 cleanupNO INVOICE STAMP REQUIRED FOR THIS PROJECT

AFE(s):

1) PAT1083827

Department Number: _____

2) _____ Unit Number: _____

3) _____

Instructions:

THIS FORM IS TO BE USED FOR ALL ENVIRONMENTAL REMEDIATION PROJECTS RESULTING FROM SPILLS OR RELEASES. A COMPLETED COPY MUST ACCOMPANY EACH INVOICE SUBMITTED FOR THE PROJECT. ATTACH A COPY IMMEDIATELY BEHIND THE INVOICE BEFORE ANY OTHER BACKUP DOCUMENTATION.

THIRD PARTY BILLING: A completed copy of this form must be provided to all third parties working under your direction who will bill Pioneer directly, and

L1336950

Pioneer Natural Resources Environmental Project Invoicing FormGroup: Permian Operations and ConstructionSub Group: Midkiff Vertical

Case Number: _____

Incident Date: _____

Operations Contact (Invoice Approver): MIKE JONESEnvironmental Contact: Jeanne Fitch Phone: (432) 894-7562Location Name: SDU Tr 67A

Location Description: _____

v301 cleanup**NO INVOICE STAMP REQUIRED FOR THIS PROJECT**

AFE(s):

1) _____ PAT

Department Number: _____

2) _____

Unit Number: _____

3) _____

Instructions:

THIS FORM IS TO BE USED FOR ALL ENVIRONMENTAL REMEDIATION PROJECTS RESULTING FROM SPILLS OR RELEASES. A COMPLETED COPY MUST ACCOMPANY EACH INVOICE SUBMITTED FOR THE PROJECT. ATTACH A COPY IMMEDIATELY BEHIND THE INVOICE BEFORE ANY OTHER BACKUP DOCUMENTATION.

THIRD PARTY BILLING: A completed copy of this form must be provided to all third parties working under your direction who will bill Pioneer directly, and

APPENDIX E

Laboratory Analytical Data Confirmation Sampling



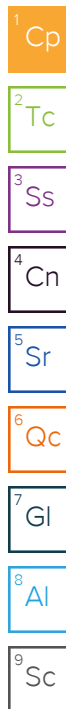
ANALYTICAL REPORT

April 19, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1339144
Samples Received: 04/15/2021
Project Number: 212C-MD-02471
Description: COP MCA 151 Flowline Release

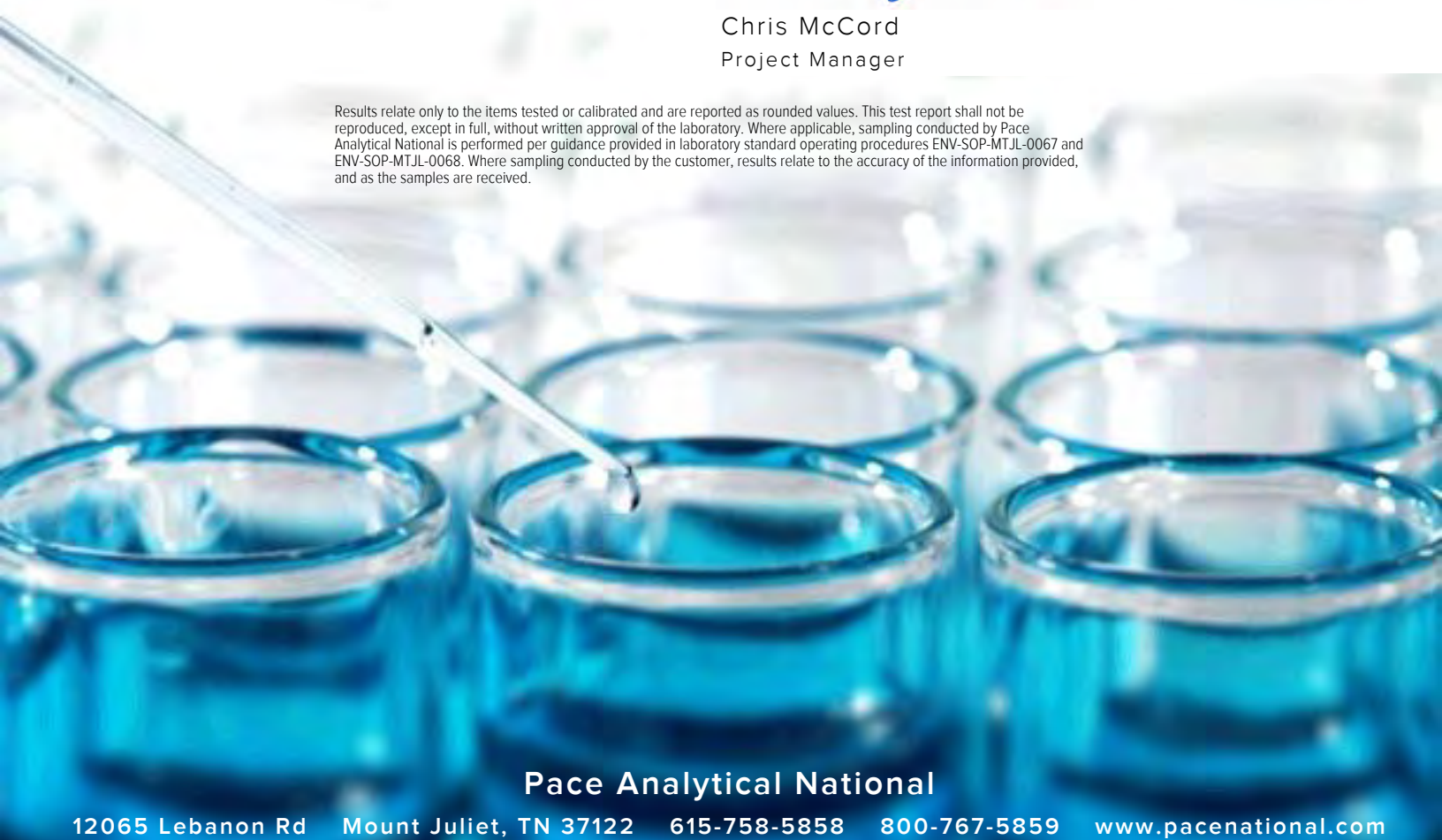
Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701



Entire Report Reviewed By:

Chris McCord
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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| Cp: Cover Page | 1 |
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| Cn: Case Narrative | 5 |
| Sr: Sample Results | 6 |
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| FS-2 (2') L1339144-02 | 7 |
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| ESW-2 L1339144-04 | 9 |
| ESW-3 L1339144-05 | 10 |
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| Gl: Glossary of Terms | 21 |
| Al: Accreditations & Locations | 22 |
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¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

FS-1 (2') L1339144-01 Solid

Collected by
Adrian Garcia

Collected date/time
04/13/21 10:00

Received date/time
04/15/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1652759 | 1 | 04/16/21 08:27 | 04/16/21 08:37 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1653396 | 1 | 04/17/21 19:00 | 04/18/21 13:02 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1653324 | 1 | 04/16/21 11:29 | 04/17/21 00:29 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1653218 | 1 | 04/16/21 11:29 | 04/16/21 14:13 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1652748 | 1 | 04/15/21 20:09 | 04/16/21 10:43 | CAG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

FS-2 (2') L1339144-02 Solid

Collected by
Adrian Garcia

Collected date/time
04/13/21 10:15

Received date/time
04/15/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1652759 | 1 | 04/16/21 08:27 | 04/16/21 08:37 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1653396 | 1 | 04/17/21 19:00 | 04/18/21 13:12 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1653324 | 1 | 04/16/21 11:29 | 04/17/21 00:48 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1653218 | 1 | 04/16/21 11:29 | 04/16/21 14:32 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1652748 | 1 | 04/15/21 20:09 | 04/16/21 10:56 | CAG | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

ESW-1 L1339144-03 Solid

Collected by
Adrian Garcia

Collected date/time
04/13/21 10:30

Received date/time
04/15/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1652759 | 1 | 04/16/21 08:27 | 04/16/21 08:37 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1653396 | 1 | 04/17/21 19:00 | 04/18/21 13:31 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1653324 | 1 | 04/16/21 11:29 | 04/17/21 01:18 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1653218 | 1 | 04/16/21 11:29 | 04/16/21 14:50 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1652748 | 1 | 04/15/21 20:09 | 04/16/21 11:09 | CAG | Mt. Juliet, TN |

9 Sc

ESW-2 L1339144-04 Solid

Collected by
Adrian Garcia

Collected date/time
04/13/21 10:45

Received date/time
04/15/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1652759 | 1 | 04/16/21 08:27 | 04/16/21 08:37 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1653396 | 1 | 04/17/21 19:00 | 04/18/21 13:41 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1653324 | 1 | 04/16/21 11:29 | 04/17/21 01:40 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1653218 | 1 | 04/16/21 11:29 | 04/16/21 15:10 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1652748 | 1 | 04/15/21 20:09 | 04/16/21 16:36 | TJD | Mt. Juliet, TN |

ESW-3 L1339144-05 Solid

Collected by
Adrian Garcia

Collected date/time
04/13/21 11:00

Received date/time
04/15/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1652759 | 1 | 04/16/21 08:27 | 04/16/21 08:37 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1653396 | 1 | 04/17/21 19:00 | 04/18/21 14:10 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1653324 | 1 | 04/16/21 11:29 | 04/17/21 02:02 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1653218 | 1 | 04/16/21 11:29 | 04/16/21 15:29 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1652748 | 1 | 04/15/21 20:09 | 04/16/21 12:27 | CAG | Mt. Juliet, TN |

SSW-1 L1339144-06 Solid

Collected by
Adrian Garcia

Collected date/time
04/13/21 11:15

Received date/time
04/15/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1652857 | 1 | 04/16/21 14:07 | 04/16/21 14:17 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1653396 | 1 | 04/17/21 19:00 | 04/18/21 14:20 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1653324 | 1 | 04/16/21 11:29 | 04/17/21 02:24 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1653218 | 1 | 04/16/21 11:29 | 04/16/21 15:48 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1652748 | 1 | 04/15/21 20:09 | 04/16/21 16:09 | TJD | Mt. Juliet, TN |

WSW-1 L1339144-07 Solid

Collected by
Adrian Garcia

Collected date/time
04/13/21 11:30

Received date/time
04/15/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1652857 | 1 | 04/16/21 14:07 | 04/16/21 14:17 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1653396 | 1 | 04/17/21 19:00 | 04/18/21 14:30 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1653324 | 1 | 04/16/21 11:29 | 04/17/21 02:46 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1653218 | 1 | 04/16/21 11:29 | 04/16/21 16:33 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1652748 | 1 | 04/15/21 20:09 | 04/16/21 11:48 | CAG | Mt. Juliet, TN |

WSW-2 L1339144-08 Solid

Collected by
Adrian Garcia

Collected date/time
04/13/21 11:45

Received date/time
04/15/21 08:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1652857 | 1 | 04/16/21 14:07 | 04/16/21 14:17 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1653396 | 1 | 04/17/21 19:00 | 04/18/21 14:40 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1653324 | 1 | 04/16/21 11:29 | 04/17/21 03:08 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1653218 | 1 | 04/16/21 11:29 | 04/16/21 16:52 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1652748 | 1 | 04/15/21 20:09 | 04/16/21 12:01 | CAG | Mt. Juliet, TN |

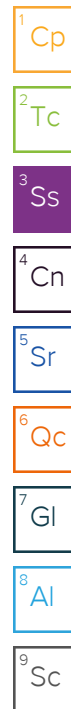
WSW-3 L1339144-09 Solid

Collected by
Adrian Garcia

Collected date/time
04/13/21 12:00

Received date/time
04/15/21 08:00

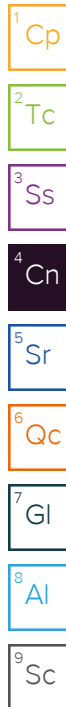
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1652857 | 1 | 04/16/21 14:07 | 04/16/21 14:17 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1653396 | 1 | 04/17/21 19:00 | 04/18/21 14:49 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1653324 | 1 | 04/16/21 11:29 | 04/17/21 03:30 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1653218 | 1 | 04/16/21 11:29 | 04/16/21 17:11 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1652748 | 1 | 04/15/21 20:09 | 04/16/21 16:22 | TJD | Mt. Juliet, TN |



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 McCord
Project Manager



Collected date/time: 04/13/21 10:00

L1339144

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.2 | | 1 | 04/16/2021 08:37 | WG1652759 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.56 | 20.8 | 1 | 04/18/2021 13:02 | WG1653396 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0569 | J | 0.0225 | 0.104 | 1 | 04/17/2021 00:29 | WG1653324 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.4 | | | 77.0-120 | | 04/17/2021 00:29 | WG1653324 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.000539 | J | 0.000504 | 0.00108 | 1 | 04/16/2021 14:13 | WG1653218 |
| Toluene | 0.00189 | J | 0.00140 | 0.00539 | 1 | 04/16/2021 14:13 | WG1653218 |
| Ethylbenzene | 0.00189 | J | 0.000795 | 0.00270 | 1 | 04/16/2021 14:13 | WG1653218 |
| Total Xylenes | 0.00992 | | 0.000949 | 0.00701 | 1 | 04/16/2021 14:13 | WG1653218 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/16/2021 14:13 | WG1653218 |
| (S) 4-Bromofluorobenzene | 99.6 | | | 67.0-138 | | 04/16/2021 14:13 | WG1653218 |
| (S) 1,2-Dichloroethane-d4 | 106 | | | 70.0-130 | | 04/16/2021 14:13 | WG1653218 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 21.1 | | 1.67 | 4.16 | 1 | 04/16/2021 10:43 | WG1652748 |
| C28-C40 Oil Range | 25.7 | | 0.285 | 4.16 | 1 | 04/16/2021 10:43 | WG1652748 |
| (S) o-Terphenyl | 31.3 | | | 18.0-148 | | 04/16/2021 10:43 | WG1652748 |

Collected date/time: 04/13/21 10:15

L1339144

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.3 | | 1 | 04/16/2021 08:37 | WG1652759 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.55 | 20.8 | 1 | 04/18/2021 13:12 | WG1653396 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0233 | J | 0.0225 | 0.104 | 1 | 04/17/2021 00:48 | WG1653324 |
| (S) a,a,a-Trifluorotoluene(FID) | 85.0 | | | 77.0-120 | | 04/17/2021 00:48 | WG1653324 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000503 | 0.00108 | 1 | 04/16/2021 14:32 | WG1653218 |
| Toluene | U | | 0.00140 | 0.00538 | 1 | 04/16/2021 14:32 | WG1653218 |
| Ethylbenzene | 0.00418 | | 0.000793 | 0.00269 | 1 | 04/16/2021 14:32 | WG1653218 |
| Total Xylenes | 0.0102 | | 0.000947 | 0.00700 | 1 | 04/16/2021 14:32 | WG1653218 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/16/2021 14:32 | WG1653218 |
| (S) 4-Bromofluorobenzene | 95.9 | | | 67.0-138 | | 04/16/2021 14:32 | WG1653218 |
| (S) 1,2-Dichloroethane-d4 | 107 | | | 70.0-130 | | 04/16/2021 14:32 | WG1653218 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 15.2 | | 1.67 | 4.15 | 1 | 04/16/2021 10:56 | WG1652748 |
| C28-C40 Oil Range | 29.2 | | 0.284 | 4.15 | 1 | 04/16/2021 10:56 | WG1652748 |
| (S) o-Terphenyl | 29.3 | | | 18.0-148 | | 04/16/2021 10:56 | WG1652748 |

Collected date/time: 04/13/21 10:30

L1339144

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.5 | | 1 | 04/16/2021 08:37 | WG1652759 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | U | | 9.34 | 20.3 | 1 | 04/18/2021 13:31 | WG1653396 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.102 | 1 | 04/17/2021 01:18 | WG1653324 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.1 | | | 77.0-120 | | 04/17/2021 01:18 | WG1653324 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000482 | 0.00103 | 1 | 04/16/2021 14:50 | WG1653218 |
| Toluene | U | | 0.00134 | 0.00516 | 1 | 04/16/2021 14:50 | WG1653218 |
| Ethylbenzene | U | | 0.000760 | 0.00258 | 1 | 04/16/2021 14:50 | WG1653218 |
| Total Xylenes | U | | 0.000908 | 0.00670 | 1 | 04/16/2021 14:50 | WG1653218 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/16/2021 14:50 | WG1653218 |
| (S) 4-Bromofluorobenzene | 92.3 | | | 67.0-138 | | 04/16/2021 14:50 | WG1653218 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/16/2021 14:50 | WG1653218 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.64 | 4.06 | 1 | 04/16/2021 11:09 | WG1652748 |
| C28-C40 Oil Range | 10.4 | | 0.278 | 4.06 | 1 | 04/16/2021 11:09 | WG1652748 |
| (S) o-Terphenyl | 63.0 | | | 18.0-148 | | 04/16/2021 11:09 | WG1652748 |

Collected date/time: 04/13/21 10:45

L1339144

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.8 | | 1 | 04/16/2021 08:37 | WG1652759 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.31 | 20.2 | 1 | 04/18/2021 13:41 | WG1653396 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0601 | J | 0.0220 | 0.101 | 1 | 04/17/2021 01:40 | WG1653324 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.6 | | | 77.0-120 | | 04/17/2021 01:40 | WG1653324 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000478 | 0.00102 | 1 | 04/16/2021 15:10 | WG1653218 |
| Toluene | 0.00189 | J | 0.00133 | 0.00512 | 1 | 04/16/2021 15:10 | WG1653218 |
| Ethylbenzene | 0.00200 | J | 0.000754 | 0.00256 | 1 | 04/16/2021 15:10 | WG1653218 |
| Total Xylenes | 0.00733 | | 0.000901 | 0.00665 | 1 | 04/16/2021 15:10 | WG1653218 |
| (S) Toluene-d8 | 111 | | | 75.0-131 | | 04/16/2021 15:10 | WG1653218 |
| (S) 4-Bromofluorobenzene | 91.3 | | | 67.0-138 | | 04/16/2021 15:10 | WG1653218 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 04/16/2021 15:10 | WG1653218 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.05 | 1 | 04/16/2021 16:36 | WG1652748 |
| C28-C40 Oil Range | 4.25 | | 0.277 | 4.05 | 1 | 04/16/2021 16:36 | WG1652748 |
| (S) o-Terphenyl | 49.2 | | | 18.0-148 | | 04/16/2021 16:36 | WG1652748 |

Collected date/time: 04/13/21 11:00

L1339144

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.6 | | 1 | 04/16/2021 08:37 | WG1652759 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.33 | 20.3 | 1 | 04/18/2021 14:10 | WG1653396 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0949 | <u>J</u> | 0.0220 | 0.101 | 1 | 04/17/2021 02:02 | WG1653324 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.3 | | | 77.0-120 | | 04/17/2021 02:02 | WG1653324 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000480 | 0.00103 | 1 | 04/16/2021 15:29 | WG1653218 |
| Toluene | 0.00144 | <u>J</u> | 0.00134 | 0.00514 | 1 | 04/16/2021 15:29 | WG1653218 |
| Ethylbenzene | 0.00378 | | 0.000758 | 0.00257 | 1 | 04/16/2021 15:29 | WG1653218 |
| Total Xylenes | 0.00962 | | 0.000905 | 0.00668 | 1 | 04/16/2021 15:29 | WG1653218 |
| (S) Toluene-d8 | 111 | | | 75.0-131 | | 04/16/2021 15:29 | WG1653218 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/16/2021 15:29 | WG1653218 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 04/16/2021 15:29 | WG1653218 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.74 | <u>J</u> | 1.63 | 4.06 | 1 | 04/16/2021 12:27 | WG1652748 |
| C28-C40 Oil Range | 10.1 | | 0.278 | 4.06 | 1 | 04/16/2021 12:27 | WG1652748 |
| (S) o-Terphenyl | 39.8 | | | 18.0-148 | | 04/16/2021 12:27 | WG1652748 |

Collected date/time: 04/13/21 11:15

L1339144

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.6 | | 1 | 04/16/2021 14:17 | WG1652857 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.33 | 20.3 | 1 | 04/18/2021 14:20 | WG1653396 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.101 | 1 | 04/17/2021 02:24 | WG1653324 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.3 | | | 77.0-120 | | 04/17/2021 02:24 | WG1653324 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000480 | 0.00103 | 1 | 04/16/2021 15:48 | WG1653218 |
| Toluene | U | | 0.00134 | 0.00514 | 1 | 04/16/2021 15:48 | WG1653218 |
| Ethylbenzene | U | | 0.000758 | 0.00257 | 1 | 04/16/2021 15:48 | WG1653218 |
| Total Xylenes | U | | 0.000905 | 0.00668 | 1 | 04/16/2021 15:48 | WG1653218 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/16/2021 15:48 | WG1653218 |
| (S) 4-Bromofluorobenzene | 91.4 | | | 67.0-138 | | 04/16/2021 15:48 | WG1653218 |
| (S) 1,2-Dichloroethane-d4 | 108 | | | 70.0-130 | | 04/16/2021 15:48 | WG1653218 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.06 | 1 | 04/16/2021 16:09 | WG1652748 |
| C28-C40 Oil Range | 2.94 | J | 0.278 | 4.06 | 1 | 04/16/2021 16:09 | WG1652748 |
| (S) o-Terphenyl | 54.0 | | | 18.0-148 | | 04/16/2021 16:09 | WG1652748 |

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

Collected date/time: 04/13/21 11:30

L1339144

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.7 | | 1 | 04/16/2021 14:17 | WG1652857 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.32 | 20.3 | 1 | 04/18/2021 14:30 | WG1653396 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.101 | 1 | 04/17/2021 02:46 | WG1653324 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.1 | | | 77.0-120 | | 04/17/2021 02:46 | WG1653324 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000479 | 0.00103 | 1 | 04/16/2021 16:33 | WG1653218 |
| Toluene | U | | 0.00133 | 0.00513 | 1 | 04/16/2021 16:33 | WG1653218 |
| Ethylbenzene | U | | 0.000757 | 0.00257 | 1 | 04/16/2021 16:33 | WG1653218 |
| Total Xylenes | U | | 0.000903 | 0.00667 | 1 | 04/16/2021 16:33 | WG1653218 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 04/16/2021 16:33 | WG1653218 |
| (S) 4-Bromofluorobenzene | 93.3 | | | 67.0-138 | | 04/16/2021 16:33 | WG1653218 |
| (S) 1,2-Dichloroethane-d4 | 107 | | | 70.0-130 | | 04/16/2021 16:33 | WG1653218 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.05 | 1 | 04/16/2021 11:48 | WG1652748 |
| C28-C40 Oil Range | 3.65 | J | 0.278 | 4.05 | 1 | 04/16/2021 11:48 | WG1652748 |
| (S) o-Terphenyl | 37.9 | | | 18.0-148 | | 04/16/2021 11:48 | WG1652748 |

Collected date/time: 04/13/21 11:45

L1339144

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.6 | | 1 | 04/16/2021 14:17 | WG1652857 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.43 | 20.5 | 1 | 04/18/2021 14:40 | WG1653396 |

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

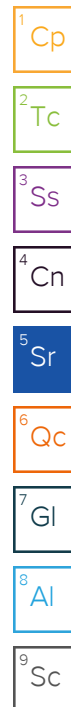
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0593 | J | 0.0222 | 0.103 | 1 | 04/17/2021 03:08 | WG1653324 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.6 | | | 77.0-120 | | 04/17/2021 03:08 | WG1653324 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000490 | 0.00105 | 1 | 04/16/2021 16:52 | WG1653218 |
| Toluene | U | | 0.00137 | 0.00525 | 1 | 04/16/2021 16:52 | WG1653218 |
| Ethylbenzene | U | | 0.000774 | 0.00263 | 1 | 04/16/2021 16:52 | WG1653218 |
| Total Xylenes | 0.00541 | J | 0.000924 | 0.00683 | 1 | 04/16/2021 16:52 | WG1653218 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/16/2021 16:52 | WG1653218 |
| (S) 4-Bromofluorobenzene | 94.4 | | | 67.0-138 | | 04/16/2021 16:52 | WG1653218 |
| (S) 1,2-Dichloroethane-d4 | 107 | | | 70.0-130 | | 04/16/2021 16:52 | WG1653218 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.65 | 4.10 | 1 | 04/16/2021 12:01 | WG1652748 |
| C28-C40 Oil Range | 8.30 | | 0.281 | 4.10 | 1 | 04/16/2021 12:01 | WG1652748 |
| (S) o-Terphenyl | 47.8 | | | 18.0-148 | | 04/16/2021 12:01 | WG1652748 |



Collected date/time: 04/13/21 12:00

L1339144

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.7 | | 1 | 04/16/2021 14:17 | WG1652857 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.41 | 20.5 | 1 | 04/18/2021 14:49 | WG1653396 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0222 | 0.102 | 1 | 04/17/2021 03:30 | WG1653324 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.4 | | | 77.0-120 | | 04/17/2021 03:30 | WG1653324 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000489 | 0.00105 | 1 | 04/16/2021 17:11 | WG1653218 |
| Toluene | U | | 0.00136 | 0.00523 | 1 | 04/16/2021 17:11 | WG1653218 |
| Ethylbenzene | 0.00152 | J | 0.000771 | 0.00262 | 1 | 04/16/2021 17:11 | WG1653218 |
| Total Xylenes | 0.00413 | J | 0.000921 | 0.00680 | 1 | 04/16/2021 17:11 | WG1653218 |
| (S) Toluene-d8 | 111 | | | 75.0-131 | | 04/16/2021 17:11 | WG1653218 |
| (S) 4-Bromofluorobenzene | 94.1 | | | 67.0-138 | | 04/16/2021 17:11 | WG1653218 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/16/2021 17:11 | WG1653218 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.65 | 4.09 | 1 | 04/16/2021 16:22 | WG1652748 |
| C28-C40 Oil Range | 3.36 | J | 0.280 | 4.09 | 1 | 04/16/2021 16:22 | WG1652748 |
| (S) o-Terphenyl | 52.3 | | | 18.0-148 | | 04/16/2021 16:22 | WG1652748 |

| | |
|---|----|
| 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 [L1339144-01,02,03,04,05](#)

Method Blank (MB)

(MB) R3642889-1 04/16/21 08:37

| | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1339144-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1339144-01 04/16/21 08:37 • (DUP) R3642889-3 04/16/21 08:37

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 96.2 | 95.9 | 1 | 0.386 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3642889-2 04/16/21 08:37

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 99.9 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1339144-06,07,08,09](#)

Method Blank (MB)

(MB) R3642997-1 04/16/21 14:17

| | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1339131-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1339131-02 04/16/21 14:17 • (DUP) R3642997-3 04/16/21 14:17

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 82.7 | 82.0 | 1 | 0.894 | | 10 |

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3642997-2 04/16/21 14:17

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁹Sc

Wet Chemistry by Method 300.0

[L1339144-01,02,03,04,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3643426-1 04/18/21 09:42

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Chloride | U | | 9.20 | 20.0 |

L1337668-81 Original Sample (OS) • Duplicate (DUP)

(OS) L1337668-81 04/18/21 10:37 • (DUP) R3643426-3 04/18/21 10:46

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | 118 | 116 | 1 | 2.02 | | 20 |

L1339144-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1339144-02 04/18/21 13:12 • (DUP) R3643426-6 04/18/21 13:22

| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3643426-2 04/18/21 09:51

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Chloride | 200 | 193 | 96.5 | 90.0-110 | |

L1337668-81 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1337668-81 04/18/21 10:37 • (MS) R3643426-4 04/18/21 10:55 • (MSD) R3643426-5 04/18/21 11:05

| | 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 | % | % | | % | | | % | % |
| Chloride | 500 | 118 | 613 | 649 | 98.8 | 106 | 1 | 80.0-120 | | | 5.75 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

[L1339144-01,02,03,04,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3643188-2 04/16/21 23:36

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 96.0 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3643188-1 04/16/21 22:27

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 6.79 | 123 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 117 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

[L1339144-01,02,03,04,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3643216-3 04/16/21 11:57

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 106 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 95.7 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 |

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

(LCS) R3643216-1 04/16/21 10:42 • (LCSD) R3643216-2 04/16/21 11:01

| 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 | 0.120 | 0.119 | 96.0 | 95.2 | 70.0-123 | | | 0.837 | 20 |
| Ethylbenzene | 0.125 | 0.124 | 0.124 | 99.2 | 99.2 | 74.0-126 | | | 0.000 | 20 |
| Toluene | 0.125 | 0.119 | 0.118 | 95.2 | 94.4 | 75.0-121 | | | 0.844 | 20 |
| Xylenes, Total | 0.375 | 0.363 | 0.352 | 96.8 | 93.9 | 72.0-127 | | | 3.08 | 20 |
| (S) Toluene-d8 | | | | 98.8 | 99.5 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 99.6 | 103 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 118 | 118 | 70.0-130 | | | | |

L1339164-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1339164-07 04/16/21 19:42 • (MS) R3643216-4 04/16/21 20:58 • (MSD) R3643216-5 04/16/21 21:17

| 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 % |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.118 | U | 0.0447 | 0.0994 | 38.0 | 84.5 | 1 | 10.0-149 | | J3 | 76.0 | 37 |
| Ethylbenzene | 0.118 | U | 0.0631 | 0.118 | 53.6 | 100 | 1 | 10.0-160 | | J3 | 60.4 | 38 |
| Toluene | 0.118 | U | 0.0509 | 0.105 | 43.3 | 89.6 | 1 | 10.0-156 | | J3 | 69.8 | 38 |
| Xylenes, Total | 0.353 | U | 0.223 | 0.341 | 63.3 | 96.7 | 1 | 10.0-160 | | J3 | 41.7 | 38 |
| (S) Toluene-d8 | | | | | 106 | 101 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 104 | 99.1 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 109 | 112 | | 70.0-130 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3642556-1 04/16/21 03:44

| 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-C40 Oil Range | U | | 0.274 | 4.00 |
| (S) o-Terphenyl | 54.5 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3642556-2 04/16/21 03:57

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 39.0 | 78.0 | 50.0-150 | |
| (S) o-Terphenyl | | | 61.7 | 18.0-148 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

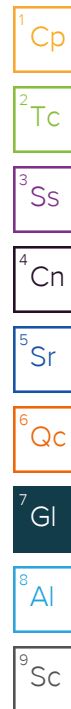
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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



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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

| | | | |
|---|--|---------------------------|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | MCA 151 Flowline Release | Contact Info: | Email: christian.llull@tetratech.com Phone: (512) 338-1667 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | 212C-MD-02366 |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | Adrian Garcia |
| Comments: | COPTETRA Acctnum | | |

ANALYSIS REQUEST
(Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX 8260B (Ext to C: TPH TX1005) | GRO - D: TPH 8015M | PAH 8270C | Total Metals Ag As Ba | TCLP Metals Ag As Ba | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 6270C | GC/MS Semi. Vol. 8270C | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate T | General Water Chemist | Anion/Cation Balance | TPH 8015R | HOLD | |
|-------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|-----------------------------------|--------------------|-----------|-----------------------|----------------------|----------------|---------------------|-----|--------------------------|------------------------|------------------|------|----------------|----------------|--------------------|-----------------------|----------------------|-----------|------|--|
| | | YEAR: 2021 | | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 61 | FS-1 (2') | 04/13/21 | 1000 | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | X | | | | | | | |
| 62 | FS-2 (2') | 04/13/21 | 1015 | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | X | | | | | | | |
| 63 | ESW-1 | 04/13/21 | 1030 | X | | | | X | | 1 | N | X | X | | | | | | | | | | | X | | | | | | | | |
| 64 | ESW-2 | 04/13/21 | 1045 | X | | | | X | | 1 | N | X | X | | | | | | | | | | | X | | | | | | | | |
| 65 | ESW-3 | 04/13/21 | 1100 | X | | | | X | | 1 | N | X | X | | | | | | | | | | | X | | | | | | | | |
| 66 | SSW-1 | 04/13/21 | 1115 | X | | | | X | | 1 | N | X | X | | | | | | | | | | | X | | | | | | | | |
| 67 | WSW-1 | 04/13/21 | 1130 | X | | | | X | | 1 | N | X | X | | | | | | | | | | | X | | | | | | | | |
| 68 | WSW-2 | 04/13/21 | 1145 | X | | | | X | | 1 | N | X | X | | | | | | | | | | | X | | | | | | | | |
| 69 | WSW-3 | 04/13/21 | 1200 | X | | | | X | | 1 | N | X | X | | | | | | | | | | | X | | | | | | | | |

| | | | | | |
|--------------------------------|-----------------|-------------|--------------------------|---------------|-------------|
| Relinquished by: Andrew Garcia | Date: 14 Apr 21 | Time: 10:47 | Received by: [Signature] | Date: 4-14-21 | Time: 15:00 |
| Relinquished by: [Signature] | Date: 4-14-21 | Time: 17:00 | Received by: [Signature] | Date: 4-14-21 | Time: 17:00 |
| Relinquished by: [Signature] | Date: 4/15/21 | Time: 8:00 | Received by: [Signature] | Date: 4/15/21 | Time: 8:00 |

| | |
|-----------------------------|---|
| LAB USE ONLY | REMARKS: |
| Sample Temperature: 65.0205 | <input type="checkbox"/> Standard |
| | <input checked="" type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr. |
| | <input type="checkbox"/> Rush Charges Authorized |
| | <input type="checkbox"/> Special Report Limits or TRRP Report |

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

| | | | |
|---|----------|-----------------|------------|
| Client: <i>COP TETRA</i> | | <i>61339144</i> | |
| Cooler Received/Opened On: <i>4 / 15 / 21</i> | | Temperature: | <i>0.5</i> |
| Received By: <i>Olivia Turner</i> | | | |
| Signature: <i>Olivia Turner</i> | | | |
| Receipt Check List | | | |
| | NP | Yes | No |
| COC Seal Present / Intact? | <i>/</i> | | |
| COC Signed / Accurate? | | <i>/</i> | |
| Bottles arrive intact? | | <i>/</i> | |
| Correct bottles used? | | <i>/</i> | |
| Sufficient volume sent? | | <i>/</i> | |
| If Applicable | | | |
| VOA Zero headspace? | | | |
| Preservation Correct / Checked? | | | |



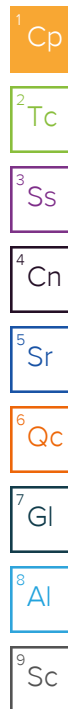
ANALYTICAL REPORT

April 20, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1339853
Samples Received: 04/16/2021
Project Number: 212C-MD-02471
Description: COP MCA 151 Flowline Release

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

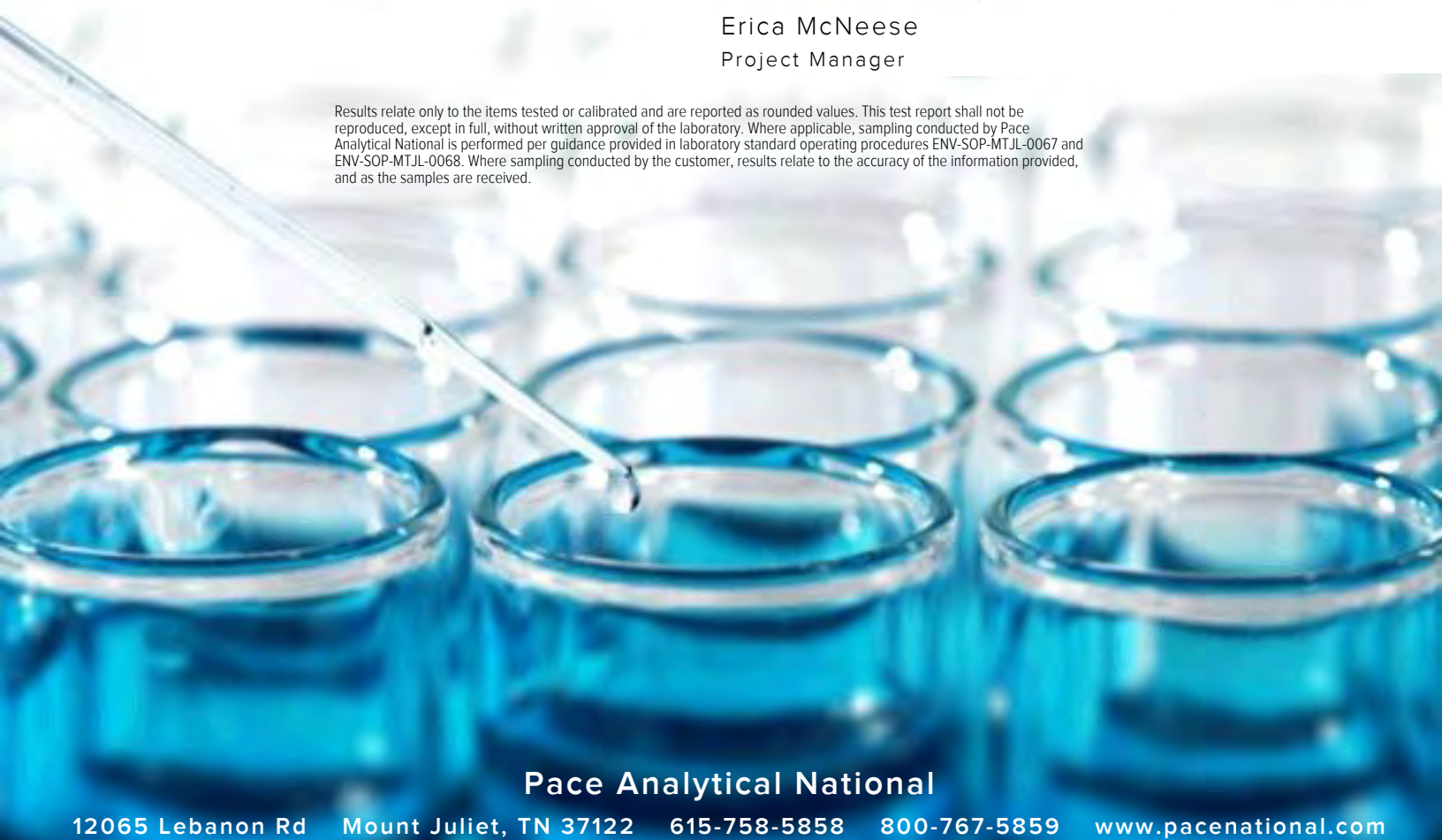


Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Erica McNeese".

Erica McNeese
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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| Sr: Sample Results | 7 |
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| FS-5 (2') L1339853-02 | 8 |
| FS-6 (4') L1339853-03 | 9 |
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| ESW-5 L1339853-05 | 11 |
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¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

FS-4 (2') L1339853-01 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 10:00

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653651 | 1 | 04/17/21 20:22 | 04/17/21 20:51 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 17:10 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654169 | 1 | 04/17/21 16:48 | 04/19/21 03:43 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 16:33 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/17/21 17:39 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

FS-5 (2') L1339853-02 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 10:15

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653651 | 1 | 04/17/21 20:22 | 04/17/21 20:51 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 18:10 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654670 | 1 | 04/17/21 16:48 | 04/20/21 00:41 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 16:53 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/17/21 17:51 | CAG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

FS-6 (4') L1339853-03 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 10:30

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653651 | 1 | 04/17/21 20:22 | 04/17/21 20:51 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 18:20 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654169 | 1 | 04/17/21 16:48 | 04/19/21 04:27 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 17:12 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/17/21 18:04 | CAG | Mt. Juliet, TN |

⁹ Sc

ESW-4 L1339853-04 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 10:45

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653651 | 1 | 04/17/21 20:22 | 04/17/21 20:51 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 18:29 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654670 | 1 | 04/17/21 16:48 | 04/20/21 01:09 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 17:31 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/17/21 18:16 | CAG | Mt. Juliet, TN |

ESW-5 L1339853-05 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 11:00

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653651 | 1 | 04/17/21 20:22 | 04/17/21 20:51 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 18:48 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654169 | 1 | 04/17/21 16:48 | 04/19/21 05:11 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 17:50 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/17/21 18:29 | CAG | Mt. Juliet, TN |

ESW-6 L1339853-06 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 11:15

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653651 | 1 | 04/17/21 20:22 | 04/17/21 20:51 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 18:58 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654169 | 1 | 04/17/21 16:48 | 04/19/21 05:33 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 18:09 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/17/21 18:42 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

ESW-7 L1339853-07 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 11:30

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653651 | 1 | 04/17/21 20:22 | 04/17/21 20:51 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 19:07 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654169 | 1 | 04/17/21 16:48 | 04/19/21 05:55 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 18:28 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/17/21 18:54 | CAG | Mt. Juliet, TN |

WSW-4 L1339853-08 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 11:45

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653651 | 1 | 04/17/21 20:22 | 04/17/21 20:51 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 19:17 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654169 | 1 | 04/17/21 16:48 | 04/19/21 06:17 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 18:47 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/17/21 19:07 | CAG | Mt. Juliet, TN |

WSW-5 L1339853-09 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 12:00

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653651 | 1 | 04/17/21 20:22 | 04/17/21 20:51 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 19:26 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654169 | 1 | 04/17/21 16:48 | 04/19/21 06:49 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 19:06 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/18/21 06:53 | CAG | Mt. Juliet, TN |

WSW-6 L1339853-10 Solid

Collected by
Adrian Garcia

Collected date/time
04/14/21 12:15

Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653652 | 1 | 04/17/21 19:29 | 04/17/21 20:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 19:36 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654169 | 1 | 04/17/21 16:48 | 04/19/21 07:11 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 19:26 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/17/21 19:19 | CAG | Mt. Juliet, TN |

WSW-7 L1339853-11 Solid

Collected by
Adrian GarciaCollected date/time
04/14/21 12:30Received date/time
04/16/21 11:30

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|--------------------------|-----------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1653652 | 1 | 04/17/21 19:29 | 04/17/21 20:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1654353 | 1 | 04/19/21 15:10 | 04/19/21 20:05 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1654169 | 1 | 04/17/21 16:48 | 04/19/21 07:47 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1654066 | 1 | 04/17/21 16:48 | 04/18/21 19:45 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1653571 | 1 | 04/17/21 08:29 | 04/18/21 06:41 | CAG | Mt. Juliet, TN |

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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.



Erica McNeese
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Collected date/time: 04/14/21 10:00

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.1 | | 1 | 04/17/2021 20:51 | WG1653651 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 11.3 | J | 9.47 | 20.6 | 1 | 04/19/2021 17:10 | WG1654353 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0223 | 0.103 | 1 | 04/19/2021 03:43 | WG1654169 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.5 | | | 77.0-120 | | 04/19/2021 03:43 | WG1654169 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000495 | 0.00106 | 1 | 04/18/2021 16:33 | WG1654066 |
| Toluene | U | | 0.00138 | 0.00530 | 1 | 04/18/2021 16:33 | WG1654066 |
| Ethylbenzene | U | | 0.000781 | 0.00265 | 1 | 04/18/2021 16:33 | WG1654066 |
| Total Xylenes | 0.00501 | J | 0.000932 | 0.00689 | 1 | 04/18/2021 16:33 | WG1654066 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/18/2021 16:33 | WG1654066 |
| (S) 4-Bromofluorobenzene | 98.7 | | | 67.0-138 | | 04/18/2021 16:33 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 93.6 | | | 70.0-130 | | 04/18/2021 16:33 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.66 | 4.12 | 1 | 04/17/2021 17:39 | WG1653571 |
| C28-C40 Oil Range | 5.24 | | 0.282 | 4.12 | 1 | 04/17/2021 17:39 | WG1653571 |
| (S) o-Terphenyl | 58.9 | | | 18.0-148 | | 04/17/2021 17:39 | WG1653571 |

Collected date/time: 04/14/21 10:15

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.6 | | 1 | 04/17/2021 20:51 | WG1653651 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.53 | 20.7 | 1 | 04/19/2021 18:10 | WG1654353 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0225 | 0.104 | 1 | 04/20/2021 00:41 | WG1654670 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.4 | | | 77.0-120 | | 04/20/2021 00:41 | WG1654670 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000500 | 0.00107 | 1 | 04/18/2021 16:53 | WG1654066 |
| Toluene | U | | 0.00139 | 0.00536 | 1 | 04/18/2021 16:53 | WG1654066 |
| Ethylbenzene | 0.000928 | J | 0.000790 | 0.00268 | 1 | 04/18/2021 16:53 | WG1654066 |
| Total Xylenes | 0.00501 | J | 0.000943 | 0.00696 | 1 | 04/18/2021 16:53 | WG1654066 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/18/2021 16:53 | WG1654066 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/18/2021 16:53 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 92.7 | | | 70.0-130 | | 04/18/2021 16:53 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.36 | J | 1.67 | 4.14 | 1 | 04/17/2021 17:51 | WG1653571 |
| C28-C40 Oil Range | 3.57 | J | 0.284 | 4.14 | 1 | 04/17/2021 17:51 | WG1653571 |
| (S) o-Terphenyl | 55.1 | | | 18.0-148 | | 04/17/2021 17:51 | WG1653571 |

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

Collected date/time: 04/14/21 10:30

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.5 | | 1 | 04/17/2021 20:51 | WG1653651 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 12.2 | J | 9.63 | 20.9 | 1 | 04/19/2021 18:20 | WG1654353 |

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

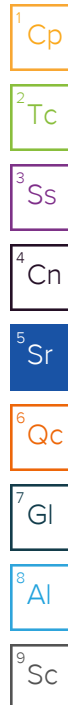
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0227 | 0.105 | 1 | 04/19/2021 04:27 | WG1654169 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.0 | | | 77.0-120 | | 04/19/2021 04:27 | WG1654169 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000511 | 0.00109 | 1 | 04/18/2021 17:12 | WG1654066 |
| Toluene | U | | 0.00142 | 0.00547 | 1 | 04/18/2021 17:12 | WG1654066 |
| Ethylbenzene | U | | 0.000807 | 0.00274 | 1 | 04/18/2021 17:12 | WG1654066 |
| Total Xylenes | 0.00242 | J | 0.000963 | 0.00711 | 1 | 04/18/2021 17:12 | WG1654066 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/18/2021 17:12 | WG1654066 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/18/2021 17:12 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 94.9 | | | 70.0-130 | | 04/18/2021 17:12 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.95 | J | 1.69 | 4.19 | 1 | 04/17/2021 18:04 | WG1653571 |
| C28-C40 Oil Range | 3.89 | J | 0.287 | 4.19 | 1 | 04/17/2021 18:04 | WG1653571 |
| (S) o-Terphenyl | 58.4 | | | 18.0-148 | | 04/17/2021 18:04 | WG1653571 |



Collected date/time: 04/14/21 10:45

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.2 | | 1 | 04/17/2021 20:51 | WG1653651 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.36 | 20.4 | 1 | 04/19/2021 18:29 | WG1654353 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1 | 04/20/2021 01:09 | WG1654670 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8 | | | 77.0-120 | | 04/20/2021 01:09 | WG1654670 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000484 | 0.00104 | 1 | 04/18/2021 17:31 | WG1654066 |
| Toluene | U | | 0.00135 | 0.00518 | 1 | 04/18/2021 17:31 | WG1654066 |
| Ethylbenzene | 0.000932 | J | 0.000763 | 0.00259 | 1 | 04/18/2021 17:31 | WG1654066 |
| Total Xylenes | 0.00331 | J | 0.000911 | 0.00673 | 1 | 04/18/2021 17:31 | WG1654066 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/18/2021 17:31 | WG1654066 |
| (S) 4-Bromofluorobenzene | 99.8 | | | 67.0-138 | | 04/18/2021 17:31 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 93.4 | | | 70.0-130 | | 04/18/2021 17:31 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.64 | 4.07 | 1 | 04/17/2021 18:16 | WG1653571 |
| C28-C40 Oil Range | 2.45 | J | 0.279 | 4.07 | 1 | 04/17/2021 18:16 | WG1653571 |
| (S) o-Terphenyl | 55.4 | | | 18.0-148 | | 04/17/2021 18:16 | WG1653571 |

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

Collected date/time: 04/14/21 11:00

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.2 | | 1 | 04/17/2021 20:51 | WG1653651 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.37 | 20.4 | 1 | 04/19/2021 18:48 | WG1654353 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1 | 04/19/2021 05:11 | WG1654169 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.0 | | | 77.0-120 | | 04/19/2021 05:11 | WG1654169 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000484 | 0.00104 | 1 | 04/18/2021 17:50 | WG1654066 |
| Toluene | U | | 0.00135 | 0.00518 | 1 | 04/18/2021 17:50 | WG1654066 |
| Ethylbenzene | U | | 0.000764 | 0.00259 | 1 | 04/18/2021 17:50 | WG1654066 |
| Total Xylenes | 0.00147 | J | 0.000912 | 0.00673 | 1 | 04/18/2021 17:50 | WG1654066 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/18/2021 17:50 | WG1654066 |
| (S) 4-Bromofluorobenzene | 100 | | | 67.0-138 | | 04/18/2021 17:50 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 93.9 | | | 70.0-130 | | 04/18/2021 17:50 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.64 | 4.07 | 1 | 04/17/2021 18:29 | WG1653571 |
| C28-C40 Oil Range | 4.51 | | 0.279 | 4.07 | 1 | 04/17/2021 18:29 | WG1653571 |
| (S) o-Terphenyl | 61.6 | | | 18.0-148 | | 04/17/2021 18:29 | WG1653571 |



Collected date/time: 04/14/21 11:15

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 97.0 | | 1 | 04/17/2021 20:51 | WG1653651 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | U | | 9.48 | 20.6 | 1 | 04/19/2021 18:58 | WG1654353 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0224 | 0.103 | 1 | 04/19/2021 05:33 | WG1654169 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.0 | | | 77.0-120 | | 04/19/2021 05:33 | WG1654169 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000496 | 0.00106 | 1 | 04/18/2021 18:09 | WG1654066 |
| Toluene | U | | 0.00138 | 0.00531 | 1 | 04/18/2021 18:09 | WG1654066 |
| Ethylbenzene | 0.000902 | J | 0.000782 | 0.00265 | 1 | 04/18/2021 18:09 | WG1654066 |
| Total Xylenes | 0.00287 | J | 0.000934 | 0.00690 | 1 | 04/18/2021 18:09 | WG1654066 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/18/2021 18:09 | WG1654066 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/18/2021 18:09 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 94.1 | | | 70.0-130 | | 04/18/2021 18:09 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.66 | 4.12 | 1 | 04/17/2021 18:42 | WG1653571 |
| C28-C40 Oil Range | 7.49 | | 0.282 | 4.12 | 1 | 04/17/2021 18:42 | WG1653571 |
| (S) o-Terphenyl | 58.9 | | | 18.0-148 | | 04/17/2021 18:42 | WG1653571 |

Collected date/time: 04/14/21 11:30

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.7 | | 1 | 04/17/2021 20:51 | WG1653651 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.51 | 20.7 | 1 | 04/19/2021 19:07 | WG1654353 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0224 | 0.103 | 1 | 04/19/2021 05:55 | WG1654169 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.3 | | | 77.0-120 | | 04/19/2021 05:55 | WG1654169 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000499 | 0.00107 | 1 | 04/18/2021 18:28 | WG1654066 |
| Toluene | U | | 0.00139 | 0.00534 | 1 | 04/18/2021 18:28 | WG1654066 |
| Ethylbenzene | U | | 0.000787 | 0.00267 | 1 | 04/18/2021 18:28 | WG1654066 |
| Total Xylenes | 0.00129 | J | 0.000940 | 0.00694 | 1 | 04/18/2021 18:28 | WG1654066 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/18/2021 18:28 | WG1654066 |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 | | 04/18/2021 18:28 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 92.3 | | | 70.0-130 | | 04/18/2021 18:28 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.09 | J | 1.66 | 4.14 | 1 | 04/17/2021 18:54 | WG1653571 |
| C28-C40 Oil Range | 7.15 | | 0.283 | 4.14 | 1 | 04/17/2021 18:54 | WG1653571 |
| (S) o-Terphenyl | 58.5 | | | 18.0-148 | | 04/17/2021 18:54 | WG1653571 |

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

Collected date/time: 04/14/21 11:45

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.7 | | 1 | 04/17/2021 20:51 | WG1653651 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | U | | 9.32 | 20.3 | 1 | 04/19/2021 19:17 | WG1654353 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.101 | 1 | 04/19/2021 06:17 | WG1654169 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.6 | | | 77.0-120 | | 04/19/2021 06:17 | WG1654169 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000479 | 0.00103 | 1 | 04/18/2021 18:47 | WG1654066 |
| Toluene | U | | 0.00133 | 0.00513 | 1 | 04/18/2021 18:47 | WG1654066 |
| Ethylbenzene | U | | 0.000756 | 0.00257 | 1 | 04/18/2021 18:47 | WG1654066 |
| Total Xylenes | U | | 0.000903 | 0.00667 | 1 | 04/18/2021 18:47 | WG1654066 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/18/2021 18:47 | WG1654066 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 | | 04/18/2021 18:47 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 93.9 | | | 70.0-130 | | 04/18/2021 18:47 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.05 | 1 | 04/17/2021 19:07 | WG1653571 |
| C28-C40 Oil Range | 3.89 | J | 0.278 | 4.05 | 1 | 04/17/2021 19:07 | WG1653571 |
| (S) o-Terphenyl | 58.9 | | | 18.0-148 | | 04/17/2021 19:07 | WG1653571 |

Collected date/time: 04/14/21 12:00

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.0 | | 1 | 04/17/2021 20:51 | WG1653651 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 10.6 | J | 9.29 | 20.2 | 1 | 04/19/2021 19:26 | WG1654353 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0219 | 0.101 | 1 | 04/19/2021 06:49 | WG1654169 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.0 | | | 77.0-120 | | 04/19/2021 06:49 | WG1654169 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000476 | 0.00102 | 1 | 04/18/2021 19:06 | WG1654066 |
| Toluene | U | | 0.00133 | 0.00510 | 1 | 04/18/2021 19:06 | WG1654066 |
| Ethylbenzene | U | | 0.000752 | 0.00255 | 1 | 04/18/2021 19:06 | WG1654066 |
| Total Xylenes | U | | 0.000898 | 0.00663 | 1 | 04/18/2021 19:06 | WG1654066 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/18/2021 19:06 | WG1654066 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/18/2021 19:06 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 94.3 | | | 70.0-130 | | 04/18/2021 19:06 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.66 | J | 1.63 | 4.04 | 1 | 04/18/2021 06:53 | WG1653571 |
| C28-C40 Oil Range | 5.78 | | 0.277 | 4.04 | 1 | 04/18/2021 06:53 | WG1653571 |
| (S) o-Terphenyl | 61.1 | | | 18.0-148 | | 04/18/2021 06:53 | WG1653571 |

Collected date/time: 04/14/21 12:15

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.4 | | 1 | 04/17/2021 20:04 | WG1653652 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 15.8 | J | 9.75 | 21.2 | 1 | 04/19/2021 19:36 | WG1654353 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0230 | 0.106 | 1 | 04/19/2021 07:11 | WG1654169 |
| (S) a,a,a-Trifluorotoluene(FID) | 94.0 | | | 77.0-120 | | 04/19/2021 07:11 | WG1654169 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000523 | 0.00112 | 1 | 04/18/2021 19:26 | WG1654066 |
| Toluene | U | | 0.00146 | 0.00560 | 1 | 04/18/2021 19:26 | WG1654066 |
| Ethylbenzene | 0.00112 | J | 0.000825 | 0.00280 | 1 | 04/18/2021 19:26 | WG1654066 |
| Total Xylenes | 0.00397 | J | 0.000985 | 0.00728 | 1 | 04/18/2021 19:26 | WG1654066 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/18/2021 19:26 | WG1654066 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/18/2021 19:26 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 94.3 | | | 70.0-130 | | 04/18/2021 19:26 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.90 | J | 1.71 | 4.24 | 1 | 04/17/2021 19:19 | WG1653571 |
| C28-C40 Oil Range | 7.17 | | 0.290 | 4.24 | 1 | 04/17/2021 19:19 | WG1653571 |
| (S) o-Terphenyl | 59.4 | | | 18.0-148 | | 04/17/2021 19:19 | WG1653571 |

Collected date/time: 04/14/21 12:30

L1339853

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.8 | | 1 | 04/17/2021 20:04 | WG1653652 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | U | | 9.50 | 20.7 | 1 | 04/19/2021 20:05 | WG1654353 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0224 | 0.103 | 1 | 04/19/2021 07:47 | WG1654169 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.3 | | | 77.0-120 | | 04/19/2021 07:47 | WG1654169 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000498 | 0.00107 | 1 | 04/18/2021 19:45 | WG1654066 |
| Toluene | U | | 0.00139 | 0.00533 | 1 | 04/18/2021 19:45 | WG1654066 |
| Ethylbenzene | U | | 0.000786 | 0.00266 | 1 | 04/18/2021 19:45 | WG1654066 |
| Total Xylenes | U | | 0.000938 | 0.00693 | 1 | 04/18/2021 19:45 | WG1654066 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/18/2021 19:45 | WG1654066 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/18/2021 19:45 | WG1654066 |
| (S) 1,2-Dichloroethane-d4 | 95.1 | | | 70.0-130 | | 04/18/2021 19:45 | WG1654066 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.27 | J | 1.66 | 4.13 | 1 | 04/18/2021 06:41 | WG1653571 |
| C28-C40 Oil Range | 6.90 | | 0.283 | 4.13 | 1 | 04/18/2021 06:41 | WG1653571 |
| (S) o-Terphenyl | 69.2 | | | 18.0-148 | | 04/18/2021 06:41 | WG1653571 |

Method Blank (MB)

(MB) R3643344-1 04/17/21 20:51

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1339853-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1339853-07 04/17/21 20:51 • (DUP) R3643344-3 04/17/21 20:51

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 96.7 | 96.6 | 1 | 0.106 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3643344-2 04/17/21 20:51

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 99.9 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1339853-10,11](#)

Method Blank (MB)

(MB) R3643343-1 04/17/21 20:04

| | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1339975-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1339975-01 04/17/21 20:04 • (DUP) R3643343-3 04/17/21 20:04

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 74.3 | 73.6 | 1 | 0.923 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3643343-2 04/17/21 20:04

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Wet Chemistry by Method 300.0

L1339853-01,02,03,04,05,06,07,08,09,10,11

Method Blank (MB)

(MB) R3643958-1 04/19/21 16:03

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | U | | 9.20 | 20.0 |

L1339853-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1339853-01 04/19/21 17:10 • (DUP) R3643958-3 04/19/21 17:19

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 11.3 | 11.9 | 1 | 4.79 | ⬇ | 20 |

L1339853-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1339853-04 04/19/21 18:29 • (DUP) R3643958-6 04/19/21 18:39

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3643958-2 04/19/21 16:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200 | 206 | 103 | 90.0-110 | |

L1339853-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1339853-01 04/19/21 17:10 • (MS) R3643958-4 04/19/21 17:29 • (MSD) R3643958-5 04/19/21 17:38

| 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 % |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 515 | 11.3 | 541 | 531 | 103 | 101 | 1 | 80.0-120 | | | 1.90 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

L1339853-01,03,05,06,07,08,09,10,11

Method Blank (MB)

(MB) R3643715-2 04/19/21 02:39

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3643715-1 04/19/21 01:53

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.23 | 95.1 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 105 | 77.0-120 | |

L1339980-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1339980-02 04/19/21 08:31 • (MS) R3643715-3 04/19/21 11:58 • (MSD) R3643715-4 04/19/21 12:48

| 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 % |
|------------------------------------|--------------------------------|--------------------------|-----------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 138 | 37.4 | 201 | 192 | 107 | 101 | 25 | 10.0-151 | | | 4.52 | 28 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 114 | 112 | | 77.0-120 | | | | |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3643942-1 04/19/21 21:03

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.8 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3643942-2 04/19/21 21:59

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.81 | 106 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 111 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

W01034066

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

[L1339853-01,02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3643416-2 04/18/21 13:44

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 109 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 91.6 | | | 70.0-130 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Laboratory Control Sample (LCS)

(LCS) R3643416-1 04/18/21 12:28

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.00500 | 0.00517 | 103 | 70.0-123 | |
| Ethylbenzene | 0.00500 | 0.00590 | 118 | 74.0-126 | |
| Toluene | 0.00500 | 0.00561 | 112 | 75.0-121 | |
| Xylenes, Total | 0.0150 | 0.0171 | 114 | 72.0-127 | |
| (S) Toluene-d8 | | | 109 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 100 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 97.9 | 70.0-130 | |

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1339853-01,02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3643217-1 04/17/21 17:14

| 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-C40 Oil Range | U | | 0.274 | 4.00 |
| (S) o-Terphenyl | 53.9 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3643217-2 04/17/21 17:26

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 34.1 | 68.2 | 50.0-150 | |
| (S) o-Terphenyl | | | 65.5 | 18.0-148 | |

L1336651-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1336651-06 04/18/21 07:18 • (MS) R3643217-3 04/18/21 07:30 • (MSD) R3643217-4 04/18/21 07:43

| 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 | 48.9 | 5.12 | 32.6 | 38.1 | 56.2 | 66.2 | 1 | 50.0-150 | | | 15.6 | 20 |
| (S) o-Terphenyl | | | | | 53.8 | 62.7 | | 18.0-148 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.

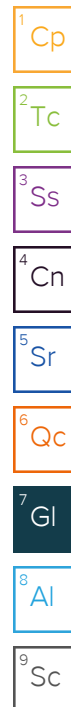
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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



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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Analysis Request of Chain of Custody Record

Page: 1 of 2



Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

U1339853

Client Name: Conoco Phillips

Site Manager: Christian Llull

Project Name: MCA 151 Flowline Release

Contact Info: Email: christian.llull@tetratech.com
Phone: (512) 338-1667

Project Location: (county, state) Lea County, New Mexico

Project #: 212C-MD-02471

Invoice to: Accounts Payable
901 West Wall Street, Suite 100 Midland, Texas 79701

Receiving Laboratory: Pace Analytical

Sampler Signature: Adrian Garcia

Comments: COPTETRA Acctnum

ANALYSIS REQUEST
(Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | | | | | | | | | | | | | | | | | HOLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| | | YEAR: 2021 | | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | | | BTEX 8021B | BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCBs 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FS-4 (2') | 04/14/21 | 1000 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Relinquished by: Andrew Garcia Date: 15 Apr 21 Time: 2:00pm

Received by: [Signature] Date: 4-15-21 Time: 14:00

Relinquished by: [Signature] Date: 4-15-21 Time: 16:30

Received by: [Signature] Date: 4-15-21 Time: 16:30

Relinquished by: [Signature] Date: [Blank] Time: [Blank]

Received by: [Signature] Date: 4/16/21 Time: 1130

LAB USE ONLY

Sample Temperature

REMARKS:

☐ Standard☒ RUSH: Same Day 24 hr. 48 hr. 72 hr. OK☐ Rush Charges Authorized☐ Special Report Limits or TRRP Report

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☒ N IF Applicable

COC Signed/Accurate: ☒ Y ☒ N VOA Zero Headspace: ☒ Y ☒ N

Bottles arrive intact: ☒ Y ☒ N Pres. Correct/Check: ☒ Y ☒ N

Correct bottles used: ☒ Y ☒ N

Sufficient volume sent: ☒ Y ☒ N

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #: [Blank]

C035

Released to Imaging: 8/3/2021 8:43:52 AM



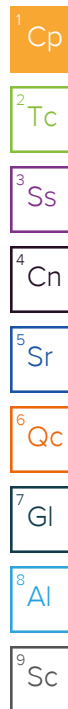
ANALYTICAL REPORT

April 26, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1342287
Samples Received: 04/22/2021
Project Number: 212C-MD-02471
Description: COP MCA 151 Flowline Release

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

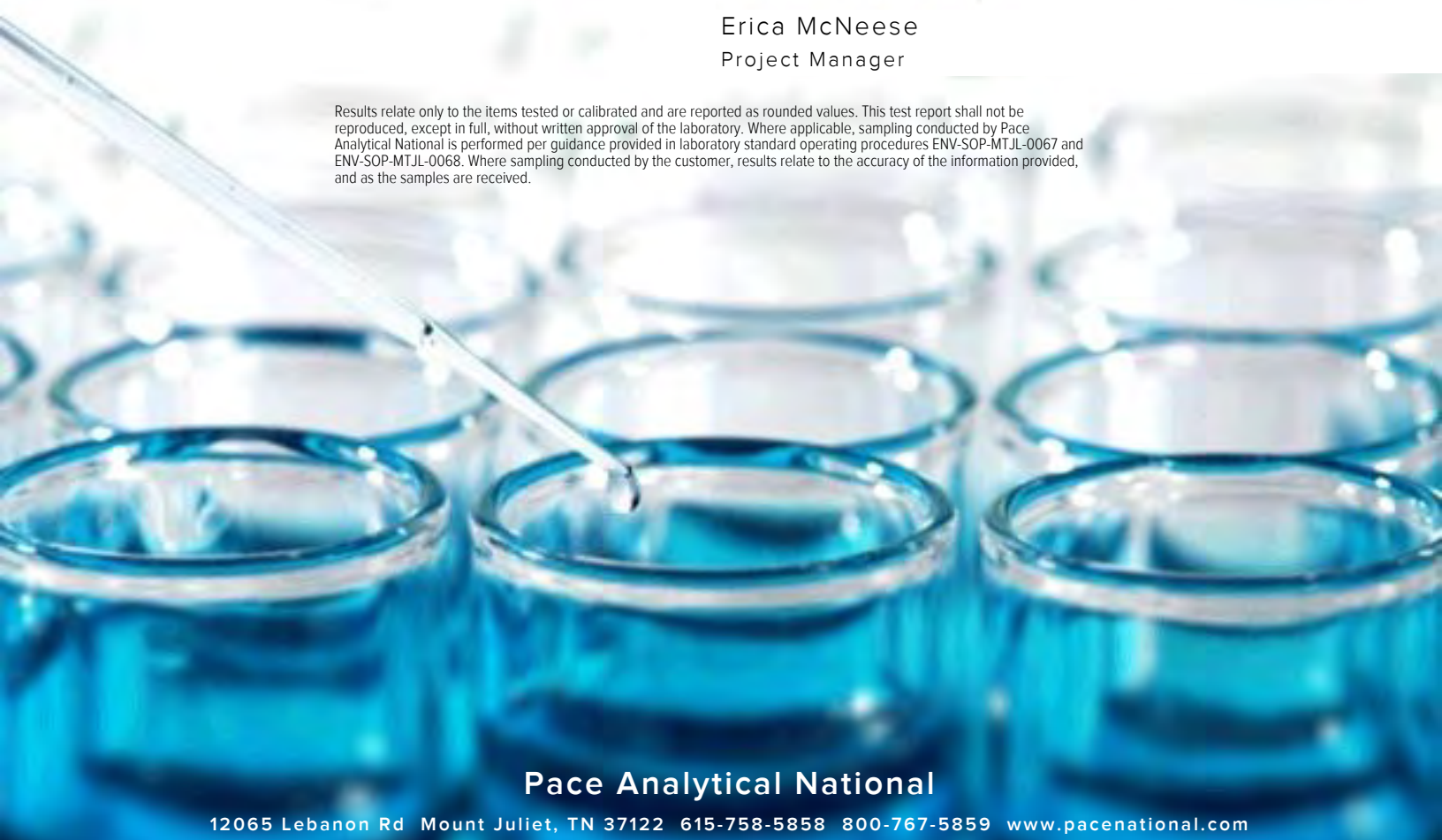


Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Erica McNeese".

Erica McNeese
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 Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

FS-13 (6') L1342287-01 Solid

Collected by John Thurston
Collected date/time 04/21/21 11:15
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657015 | 1 | 04/23/21 10:47 | 04/23/21 10:54 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 06:20 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 00:41 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 05:07 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 17:40 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

FS-14 (4') L1342287-02 Solid

Collected by John Thurston
Collected date/time 04/21/21 11:22
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657015 | 1 | 04/23/21 10:47 | 04/23/21 10:54 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 06:30 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 01:03 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 05:26 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 20 | 04/23/21 00:03 | 04/23/21 21:35 | CAG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

ESW-11 (2') L1342287-03 Solid

Collected by John Thurston
Collected date/time 04/21/21 11:29
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657015 | 1 | 04/23/21 10:47 | 04/23/21 10:54 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 06:39 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 01:25 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 05:45 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 17:53 | CAG | Mt. Juliet, TN |

⁹ Sc

ESW-12 (2') L1342287-04 Solid

Collected by John Thurston
Collected date/time 04/21/21 11:36
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657019 | 1 | 04/23/21 12:03 | 04/23/21 12:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 06:49 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 01:46 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 06:04 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 18:32 | CAG | Mt. Juliet, TN |

ESW-13 L1342287-05 Solid

Collected by John Thurston
Collected date/time 04/21/21 11:43
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657019 | 1 | 04/23/21 12:03 | 04/23/21 12:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 07:27 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 02:08 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 06:23 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/25/21 15:58 | CAG | Mt. Juliet, TN |

ESW-14 L1342287-06 Solid

Collected by John Thurston
Collected date/time 04/21/21 11:50
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657019 | 1 | 04/23/21 12:03 | 04/23/21 12:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 07:55 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658519 | 1 | 04/22/21 13:51 | 04/26/21 08:49 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 06:42 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 18:58 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

ESW-15 L1342287-07 Solid

Collected by John Thurston
Collected date/time 04/21/21 11:57
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657019 | 1 | 04/23/21 12:03 | 04/23/21 12:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 08:05 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 02:52 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 07:01 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 19:11 | CAG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

ESW-16 L1342287-08 Solid

Collected by John Thurston
Collected date/time 04/21/21 12:04
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657019 | 1 | 04/23/21 12:03 | 04/23/21 12:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 08:14 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658519 | 1 | 04/22/21 13:51 | 04/26/21 09:17 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 07:20 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 10 | 04/23/21 00:03 | 04/25/21 16:24 | CAG | Mt. Juliet, TN |

⁹ Sc

WSW-13 L1342287-09 Solid

Collected by John Thurston
Collected date/time 04/21/21 12:11
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657019 | 1 | 04/23/21 12:03 | 04/23/21 12:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 08:33 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 03:36 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 07:40 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 19:24 | CAG | Mt. Juliet, TN |

WSW-14 L1342287-10 Solid

Collected by John Thurston
Collected date/time 04/21/21 12:18
Received date/time 04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657019 | 1 | 04/23/21 12:03 | 04/23/21 12:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 08:43 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 03:58 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 07:59 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 19:37 | CAG | Mt. Juliet, TN |

WSW-15 L1342287-11 Solid

Collected by
John Thurston

Collected date/time
04/21/21 12:20

Received date/time
04/22/21 09:15

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657019 | 1 | 04/23/21 12:03 | 04/23/21 12:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 08:52 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 04:20 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 08:18 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 19:50 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

WSW-16 L1342287-12 Solid

Collected by
John Thurston

Collected date/time
04/21/21 12:27

Received date/time
04/22/21 09:15

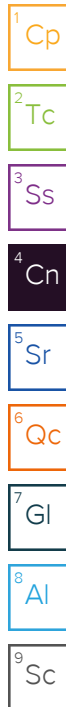
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657019 | 1 | 04/23/21 12:03 | 04/23/21 12:09 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657277 | 1 | 04/23/21 01:05 | 04/23/21 09:02 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657763 | 1 | 04/22/21 13:51 | 04/25/21 04:42 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657216 | 1 | 04/22/21 13:51 | 04/23/21 08:37 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 20:03 | CAG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

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.



Erica McNeese
Project Manager



Collected date/time: 04/21/21 11:15

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.9 | | 1 | 04/23/2021 10:54 | WG1657015 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 9.94 | J | 9.80 | 21.3 | 1 | 04/23/2021 06:20 | WG1657277 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0231 | 0.106 | 1 | 04/25/2021 00:41 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.9 | | | 77.0-120 | | 04/25/2021 00:41 | WG1657763 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000528 | 0.00113 | 1 | 04/23/2021 05:07 | WG1657216 |
| Toluene | U | | 0.00147 | 0.00565 | 1 | 04/23/2021 05:07 | WG1657216 |
| Ethylbenzene | U | | 0.000833 | 0.00282 | 1 | 04/23/2021 05:07 | WG1657216 |
| Total Xylenes | U | | 0.000994 | 0.00734 | 1 | 04/23/2021 05:07 | WG1657216 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/23/2021 05:07 | WG1657216 |
| (S) 4-Bromofluorobenzene | 94.8 | | | 67.0-138 | | 04/23/2021 05:07 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 82.1 | | | 70.0-130 | | 04/23/2021 05:07 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.71 | 4.26 | 1 | 04/23/2021 17:40 | WG1657255 |
| C28-C40 Oil Range | 2.34 | B J | 0.292 | 4.26 | 1 | 04/23/2021 17:40 | WG1657255 |
| (S) o-Terphenyl | 71.8 | | | 18.0-148 | | 04/23/2021 17:40 | WG1657255 |

Collected date/time: 04/21/21 11:22

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.1 | | 1 | 04/23/2021 10:54 | WG1657015 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 17.5 | J | 9.67 | 21.0 | 1 | 04/23/2021 06:30 | WG1657277 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0228 | 0.105 | 1 | 04/25/2021 01:03 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.7 | | | 77.0-120 | | 04/25/2021 01:03 | WG1657763 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000515 | 0.00110 | 1 | 04/23/2021 05:26 | WG1657216 |
| Toluene | U | | 0.00143 | 0.00551 | 1 | 04/23/2021 05:26 | WG1657216 |
| Ethylbenzene | U | | 0.000813 | 0.00276 | 1 | 04/23/2021 05:26 | WG1657216 |
| Total Xylenes | U | | 0.000970 | 0.00717 | 1 | 04/23/2021 05:26 | WG1657216 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/23/2021 05:26 | WG1657216 |
| (S) 4-Bromofluorobenzene | 94.6 | | | 67.0-138 | | 04/23/2021 05:26 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 83.7 | | | 70.0-130 | | 04/23/2021 05:26 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 223 | | 33.8 | 84.1 | 20 | 04/23/2021 21:35 | WG1657255 |
| C28-C40 Oil Range | 454 | | 5.76 | 84.1 | 20 | 04/23/2021 21:35 | WG1657255 |
| (S) o-Terphenyl | 0.000 | J7 | | 18.0-148 | | 04/23/2021 21:35 | WG1657255 |

Collected date/time: 04/21/21 11:29

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.6 | | 1 | 04/23/2021 10:54 | WG1657015 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.43 | 20.5 | 1 | 04/23/2021 06:39 | WG1657277 |

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

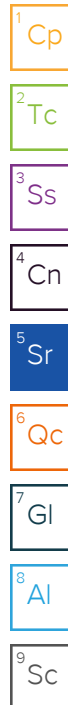
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0222 | 0.102 | 1 | 04/25/2021 01:25 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.1 | | | 77.0-120 | | 04/25/2021 01:25 | WG1657763 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000490 | 0.00105 | 1 | 04/23/2021 05:45 | WG1657216 |
| Toluene | U | | 0.00136 | 0.00525 | 1 | 04/23/2021 05:45 | WG1657216 |
| Ethylbenzene | U | | 0.000774 | 0.00262 | 1 | 04/23/2021 05:45 | WG1657216 |
| Total Xylenes | U | | 0.000924 | 0.00682 | 1 | 04/23/2021 05:45 | WG1657216 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/23/2021 05:45 | WG1657216 |
| (S) 4-Bromofluorobenzene | 96.4 | | | 67.0-138 | | 04/23/2021 05:45 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 84.6 | | | 70.0-130 | | 04/23/2021 05:45 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.65 | 4.10 | 1 | 04/23/2021 17:53 | WG1657255 |
| C28-C40 Oil Range | 3.25 | B J | 0.281 | 4.10 | 1 | 04/23/2021 17:53 | WG1657255 |
| (S) o-Terphenyl | 66.1 | | | 18.0-148 | | 04/23/2021 17:53 | WG1657255 |



Collected date/time: 04/21/21 11:36

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.0 | | 1 | 04/23/2021 12:09 | WG1657019 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 14.9 | J | 9.49 | 20.6 | 1 | 04/23/2021 06:49 | WG1657277 |

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

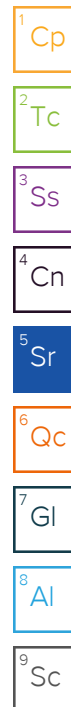
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0224 | 0.103 | 1 | 04/25/2021 01:46 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.5 | | | 77.0-120 | | 04/25/2021 01:46 | WG1657763 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000496 | 0.00106 | 1 | 04/23/2021 06:04 | WG1657216 |
| Toluene | U | | 0.00138 | 0.00531 | 1 | 04/23/2021 06:04 | WG1657216 |
| Ethylbenzene | U | | 0.000783 | 0.00266 | 1 | 04/23/2021 06:04 | WG1657216 |
| Total Xylenes | U | | 0.000935 | 0.00691 | 1 | 04/23/2021 06:04 | WG1657216 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/23/2021 06:04 | WG1657216 |
| (S) 4-Bromofluorobenzene | 95.4 | | | 67.0-138 | | 04/23/2021 06:04 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 83.8 | | | 70.0-130 | | 04/23/2021 06:04 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 19.1 | | 1.66 | 4.12 | 1 | 04/23/2021 18:32 | WG1657255 |
| C28-C40 Oil Range | 43.9 | | 0.283 | 4.12 | 1 | 04/23/2021 18:32 | WG1657255 |
| (S) o-Terphenyl | 35.4 | | | 18.0-148 | | 04/23/2021 18:32 | WG1657255 |



Collected date/time: 04/21/21 11:43

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.2 | | 1 | 04/23/2021 12:09 | WG1657019 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 13.9 | J | 9.28 | 20.2 | 1 | 04/23/2021 07:27 | WG1657277 |

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

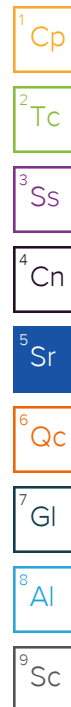
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0219 | 0.101 | 1 | 04/25/2021 02:08 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.8 | | | 77.0-120 | | 04/25/2021 02:08 | WG1657763 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000475 | 0.00102 | 1 | 04/23/2021 06:23 | WG1657216 |
| Toluene | U | | 0.00132 | 0.00508 | 1 | 04/23/2021 06:23 | WG1657216 |
| Ethylbenzene | 0.00196 | J | 0.000750 | 0.00254 | 1 | 04/23/2021 06:23 | WG1657216 |
| Total Xylenes | 0.00436 | J | 0.000895 | 0.00661 | 1 | 04/23/2021 06:23 | WG1657216 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/23/2021 06:23 | WG1657216 |
| (S) 4-Bromofluorobenzene | 94.1 | | | 67.0-138 | | 04/23/2021 06:23 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 82.8 | | | 70.0-130 | | 04/23/2021 06:23 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 16.2 | | 1.62 | 4.03 | 1 | 04/25/2021 15:58 | WG1657255 |
| C28-C40 Oil Range | 15.4 | | 0.276 | 4.03 | 1 | 04/25/2021 15:58 | WG1657255 |
| (S) o-Terphenyl | 35.1 | | | 18.0-148 | | 04/25/2021 15:58 | WG1657255 |



Collected date/time: 04/21/21 11:50

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 83.6 | | 1 | 04/23/2021 12:09 | WG1657019 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 34.0 | | 11.0 | 23.9 | 1 | 04/23/2021 07:55 | WG1657277 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0363 | <u>J</u> | 0.0260 | 0.120 | 1 | 04/26/2021 08:49 | WG1658519 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.1 | | | 77.0-120 | | 04/26/2021 08:49 | WG1658519 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000651 | 0.00139 | 1 | 04/23/2021 06:42 | WG1657216 |
| Toluene | U | | 0.00181 | 0.00697 | 1 | 04/23/2021 06:42 | WG1657216 |
| Ethylbenzene | U | | 0.00103 | 0.00349 | 1 | 04/23/2021 06:42 | WG1657216 |
| Total Xylenes | U | | 0.00123 | 0.00906 | 1 | 04/23/2021 06:42 | WG1657216 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/23/2021 06:42 | WG1657216 |
| (S) 4-Bromofluorobenzene | 95.8 | | | 67.0-138 | | 04/23/2021 06:42 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 82.0 | | | 70.0-130 | | 04/23/2021 06:42 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|------------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.93 | 4.79 | 1 | 04/23/2021 18:58 | WG1657255 |
| C28-C40 Oil Range | 2.08 | <u>B J</u> | 0.328 | 4.79 | 1 | 04/23/2021 18:58 | WG1657255 |
| (S) o-Terphenyl | 56.9 | | | 18.0-148 | | 04/23/2021 18:58 | WG1657255 |

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

Collected date/time: 04/21/21 11:57

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.8 | | 1 | 04/23/2021 12:09 | WG1657019 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 11.0 | <u>J</u> | 9.60 | 20.9 | 1 | 04/23/2021 08:05 | WG1657277 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0226 | 0.104 | 1 | 04/25/2021 02:52 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.0 | | | 77.0-120 | | 04/25/2021 02:52 | WG1657763 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000508 | 0.00109 | 1 | 04/23/2021 07:01 | WG1657216 |
| Toluene | U | | 0.00141 | 0.00544 | 1 | 04/23/2021 07:01 | WG1657216 |
| Ethylbenzene | U | | 0.000801 | 0.00272 | 1 | 04/23/2021 07:01 | WG1657216 |
| Total Xylenes | U | | 0.000957 | 0.00707 | 1 | 04/23/2021 07:01 | WG1657216 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/23/2021 07:01 | WG1657216 |
| (S) 4-Bromofluorobenzene | 96.0 | | | 67.0-138 | | 04/23/2021 07:01 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 83.9 | | | 70.0-130 | | 04/23/2021 07:01 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.81 | <u>J</u> | 1.68 | 4.17 | 1 | 04/23/2021 19:11 | WG1657255 |
| C28-C40 Oil Range | 5.25 | <u>B</u> | 0.286 | 4.17 | 1 | 04/23/2021 19:11 | WG1657255 |
| (S) o-Terphenyl | 64.4 | | | 18.0-148 | | 04/23/2021 19:11 | WG1657255 |

Collected date/time: 04/21/21 12:04

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.9 | | 1 | 04/23/2021 12:09 | WG1657019 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 53.5 | | 9.39 | 20.4 | 1 | 04/23/2021 08:14 | WG1657277 |

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

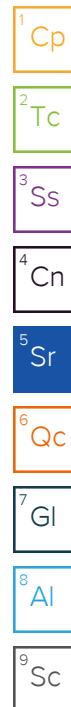
| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0686 | J | 0.0222 | 0.102 | 1 | 04/26/2021 09:17 | WG1658519 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.6 | | | 77.0-120 | | 04/26/2021 09:17 | WG1658519 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | 0.000781 | J | 0.000487 | 0.00104 | 1 | 04/23/2021 07:20 | WG1657216 |
| Toluene | U | | 0.00135 | 0.00521 | 1 | 04/23/2021 07:20 | WG1657216 |
| Ethylbenzene | 0.00321 | | 0.000768 | 0.00260 | 1 | 04/23/2021 07:20 | WG1657216 |
| Total Xylenes | 0.0270 | | 0.000917 | 0.00677 | 1 | 04/23/2021 07:20 | WG1657216 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/23/2021 07:20 | WG1657216 |
| (S) 4-Bromofluorobenzene | 96.3 | | | 67.0-138 | | 04/23/2021 07:20 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 84.9 | | | 70.0-130 | | 04/23/2021 07:20 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 49.2 | | 16.4 | 40.8 | 10 | 04/25/2021 16:24 | WG1657255 |
| C28-C40 Oil Range | 261 | | 2.80 | 40.8 | 10 | 04/25/2021 16:24 | WG1657255 |
| (S) o-Terphenyl | 49.1 | | | 18.0-148 | | 04/25/2021 16:24 | WG1657255 |



Collected date/time: 04/21/21 12:11

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 80.7 | | 1 | 04/23/2021 12:09 | WG1657019 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 37.6 | | 11.4 | 24.8 | 1 | 04/23/2021 08:33 | WG1657277 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0269 | 0.124 | 1 | 04/25/2021 03:36 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.7 | | | 77.0-120 | | 04/25/2021 03:36 | WG1657763 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000691 | 0.00148 | 1 | 04/23/2021 07:40 | WG1657216 |
| Toluene | U | | 0.00192 | 0.00740 | 1 | 04/23/2021 07:40 | WG1657216 |
| Ethylbenzene | U | | 0.00109 | 0.00370 | 1 | 04/23/2021 07:40 | WG1657216 |
| Total Xylenes | U | | 0.00130 | 0.00962 | 1 | 04/23/2021 07:40 | WG1657216 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/23/2021 07:40 | WG1657216 |
| (S) 4-Bromofluorobenzene | 94.6 | | | 67.0-138 | | 04/23/2021 07:40 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 83.6 | | | 70.0-130 | | 04/23/2021 07:40 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.99 | 4.96 | 1 | 04/23/2021 19:24 | WG1657255 |
| C28-C40 Oil Range | 0.624 | B J | 0.340 | 4.96 | 1 | 04/23/2021 19:24 | WG1657255 |
| (S) o-Terphenyl | 45.2 | | | 18.0-148 | | 04/23/2021 19:24 | WG1657255 |

Collected date/time: 04/21/21 12:18

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 80.7 | | 1 | 04/23/2021 12:09 | WG1657019 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 38.2 | | 11.4 | 24.8 | 1 | 04/23/2021 08:43 | WG1657277 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0269 | 0.124 | 1 | 04/25/2021 03:58 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.8 | | | 77.0-120 | | 04/25/2021 03:58 | WG1657763 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000690 | 0.00148 | 1 | 04/23/2021 07:59 | WG1657216 |
| Toluene | U | | 0.00192 | 0.00739 | 1 | 04/23/2021 07:59 | WG1657216 |
| Ethylbenzene | U | | 0.00109 | 0.00369 | 1 | 04/23/2021 07:59 | WG1657216 |
| Total Xylenes | U | | 0.00130 | 0.00960 | 1 | 04/23/2021 07:59 | WG1657216 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/23/2021 07:59 | WG1657216 |
| (S) 4-Bromofluorobenzene | 96.8 | | | 67.0-138 | | 04/23/2021 07:59 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 85.7 | | | 70.0-130 | | 04/23/2021 07:59 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.99 | 4.95 | 1 | 04/23/2021 19:37 | WG1657255 |
| C28-C40 Oil Range | 0.907 | B J | 0.339 | 4.95 | 1 | 04/23/2021 19:37 | WG1657255 |
| (S) o-Terphenyl | 56.5 | | | 18.0-148 | | 04/23/2021 19:37 | WG1657255 |

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

Collected date/time: 04/21/21 12:20

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 79.9 | | 1 | 04/23/2021 12:09 | WG1657019 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 45.6 | | 11.5 | 25.0 | 1 | 04/23/2021 08:52 | WG1657277 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0271 | 0.125 | 1 | 04/25/2021 04:20 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.7 | | | 77.0-120 | | 04/25/2021 04:20 | WG1657763 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | 0.00109 | J | 0.000702 | 0.00150 | 1 | 04/23/2021 08:18 | WG1657216 |
| Toluene | 0.00997 | | 0.00195 | 0.00752 | 1 | 04/23/2021 08:18 | WG1657216 |
| Ethylbenzene | 0.00673 | | 0.00111 | 0.00376 | 1 | 04/23/2021 08:18 | WG1657216 |
| Total Xylenes | 0.0115 | | 0.00132 | 0.00977 | 1 | 04/23/2021 08:18 | WG1657216 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/23/2021 08:18 | WG1657216 |
| (S) 4-Bromofluorobenzene | 96.5 | | | 67.0-138 | | 04/23/2021 08:18 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 83.3 | | | 70.0-130 | | 04/23/2021 08:18 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 2.01 | 5.00 | 1 | 04/23/2021 19:50 | WG1657255 |
| C28-C40 Oil Range | 2.36 | B J | 0.343 | 5.00 | 1 | 04/23/2021 19:50 | WG1657255 |
| (S) o-Terphenyl | 56.0 | | | 18.0-148 | | 04/23/2021 19:50 | WG1657255 |

Collected date/time: 04/21/21 12:27

L1342287

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 82.1 | | 1 | 04/23/2021 12:09 | WG1657019 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 32.5 | | 11.2 | 24.4 | 1 | 04/23/2021 09:02 | WG1657277 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0264 | 0.122 | 1 | 04/25/2021 04:42 | WG1657763 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.0 | | | 77.0-120 | | 04/25/2021 04:42 | WG1657763 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000671 | 0.00144 | 1 | 04/23/2021 08:37 | WG1657216 |
| Toluene | U | | 0.00187 | 0.00718 | 1 | 04/23/2021 08:37 | WG1657216 |
| Ethylbenzene | U | | 0.00106 | 0.00359 | 1 | 04/23/2021 08:37 | WG1657216 |
| Total Xylenes | U | | 0.00126 | 0.00933 | 1 | 04/23/2021 08:37 | WG1657216 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/23/2021 08:37 | WG1657216 |
| (S) 4-Bromofluorobenzene | 94.6 | | | 67.0-138 | | 04/23/2021 08:37 | WG1657216 |
| (S) 1,2-Dichloroethane-d4 | 83.6 | | | 70.0-130 | | 04/23/2021 08:37 | WG1657216 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.96 | 4.87 | 1 | 04/23/2021 20:03 | WG1657255 |
| C28-C40 Oil Range | U | | 0.334 | 4.87 | 1 | 04/23/2021 20:03 | WG1657255 |
| (S) o-Terphenyl | 58.2 | | | 18.0-148 | | 04/23/2021 20:03 | WG1657255 |

Total Solids by Method 2540 G-2011

[L1342287-01,02,03](#)

Method Blank (MB)

(MB) R3646013-1 04/23/21 10:54

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

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

L1342219-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1342219-01 04/23/21 10:54 • (DUP) R3646013-3 04/23/21 10:54

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Total Solids | 96.5 | 96.5 | 1 | 0.00135 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3646013-2 04/23/21 10:54

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

Total Solids by Method 2540 G-2011 [L1342287-04,05,06,07,08,09,10,11,12](#)

Method Blank (MB)

(MB) R3646016-1 04/23/21 12:09

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1342287-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1342287-12 04/23/21 12:09 • (DUP) R3646016-3 04/23/21 12:09

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Total Solids | 82.1 | 82.6 | 1 | 0.537 | | 10 |

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3646016-2 04/23/21 12:09

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁹Sc

Wet Chemistry by Method 300.0

[L1342287-01,02,03,04,05,06,07,08,09,10,11,12](#)

Method Blank (MB)

(MB) R3645639-1 04/23/21 06:01

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | U | | 9.20 | 20.0 |

L1342287-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1342287-04 04/23/21 06:49 • (DUP) R3645639-3 04/23/21 06:58

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 14.9 | 14.7 | 1 | 1.22 | ⌵ | 20 |

L1342287-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1342287-08 04/23/21 08:14 • (DUP) R3645639-6 04/23/21 08:24

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 53.5 | 56.7 | 1 | 5.83 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3645639-2 04/23/21 06:11

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200 | 209 | 104 | 90.0-110 | |

L1342287-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1342287-04 04/23/21 06:49 • (MS) R3645639-4 04/23/21 07:08 • (MSD) R3645639-5 04/23/21 07:17

| 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 % |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 516 | 14.9 | 521 | 522 | 98.3 | 98.3 | 1 | 80.0-120 | | | 0.0825 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

[L1342287-01,02,03,04,05,07,09,10,11,12](#)

Method Blank (MB)

(MB) R3646228-2 04/24/21 21:01

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 95.6 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3646228-1 04/24/21 20:17

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 6.56 | 119 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 114 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3646465-2 04/26/21 05:20

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3646465-1 04/26/21 04:16

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.53 | 101 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 111 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

L1342287-01,02,03,04,05,06,07,08,09,10,11,12

Method Blank (MB)

(MB) R3646244-2 04/23/21 04:48

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 110 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 95.0 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 81.8 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3646244-1 04/23/21 03:51

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.117 | 93.6 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.131 | 105 | 74.0-126 | |
| Toluene | 0.125 | 0.129 | 103 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.398 | 106 | 72.0-127 | |
| (S) Toluene-d8 | | | 105 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 98.9 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 83.7 | 70.0-130 | |

L1342287-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1342287-04 04/23/21 06:04 • (MS) R3646244-3 04/23/21 11:28 • (MSD) R3646244-4 04/23/21 11:47

| 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 % |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.133 | U | 0.113 | 0.120 | 84.8 | 90.4 | 1 | 10.0-149 | | | 6.39 | 37 |
| Ethylbenzene | 0.133 | U | 0.132 | 0.135 | 99.2 | 102 | 1 | 10.0-160 | | | 2.39 | 38 |
| Toluene | 0.133 | U | 0.131 | 0.135 | 98.4 | 102 | 1 | 10.0-156 | | | 3.20 | 38 |
| Xylenes, Total | 0.398 | U | 0.390 | 0.400 | 97.9 | 100 | 1 | 10.0-160 | | | 2.42 | 38 |
| (S) Toluene-d8 | | | | | 109 | 108 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 97.2 | 95.7 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 85.6 | 84.0 | | 70.0-130 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1342287-01,02,03,04,05,06,07,08,09,10,11,12](#)

Method Blank (MB)

(MB) R3645574-1 04/23/21 08:18

| 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-C40 Oil Range | 0.865 | ⬇ | 0.274 | 4.00 |
| (S) o-Terphenyl | 76.0 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3645574-2 04/23/21 08:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 42.2 | 84.4 | 50.0-150 | |
| (S) o-Terphenyl | | | 53.8 | 18.0-148 | |

L1342287-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1342287-03 04/23/21 17:53 • (MS) R3645574-3 04/23/21 18:06 • (MSD) R3645574-4 04/23/21 18:19

| 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 % |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 50.9 | U | 34.5 | 37.4 | 67.8 | 73.3 | 1 | 50.0-150 | | | 7.98 | 20 |
| (S) o-Terphenyl | | | | | 34.1 | 37.3 | | 18.0-148 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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. |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution. |

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

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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

D123

1134 2287

| | | | |
|--|--|---------------------------|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | MCA 151 | Contact Info: | Email: christian.llull@tetratech.com Phone: (512) 338-1667 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | 212C-MD-02471 |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | John Thurston |
| Comments: | COPTETRA Acctnum | | |

ANALYSIS REQUEST
(Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX 8260B / 624 | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - QRO - MIRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD | |
|-----------------------------|-----------------------|------------|-------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|------------------|-------------------------|-------------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|---|----------------------|-----------|------|--|
| | | YEAR: 2021 | | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | FS-13 (6') | 4/21/2021 | 11:15 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |
| | FS-14 (4') | 4/21/2021 | 11:22 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |
| | ESW-11 (2') | 4/21/2021 | 11:29 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |
| | ESW-12 (2') | 4/21/2021 | 11:36 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |
| | ESW-13 | 4/21/2021 | 11:43 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |
| | ESW-14 | 4/21/2021 | 11:50 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |
| | ESW-15 | 4/21/2021 | 11:57 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |
| | ESW-16 | 4/21/2021 | 12:04 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |
| | WSW-13 | 4/21/2021 | 12:11 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |
| | WSW-14 | 4/21/2021 | 12:18 | | X | | | | X | | 1 | N | X | X | | | | | | | | | | | | | X | | | | | | |

Relinquished by: Date: 4/20/21 Time: 1500

Relinquished by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Received by: Date: 4/22/21 Time: 9:15

Received by: Date: Time:

| | |
|---------------------|---|
| LAB USE ONLY | <input type="checkbox"/> Standard |
| | <input checked="" type="checkbox"/> RUSH: Same Day (24 hr. 48 hr. 72 hr.) |
| | <input type="checkbox"/> Rush Charges Authorized |
| | <input type="checkbox"/> Special Report Limits or TRRP Report |

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

4260
3.3±0.3 8088 3253 6095

[illegible]

| Pace Analytical National Center for Testing & Innovation Cooler Receipt Form | | | |
|---|----|------------------|----|
| Client: | | 4342287 | |
| Cooler Received/Opened On: 4 / 20 / 21 | | Temperature: 3.3 | |
| Received By: K HOLDERBAUM | | | |
| Signature: <i>K. Holderbaum</i> | | | |
| | | | |
| Receipt Check List | NP | Yes | No |
| COC Seal Present / Intact? | | | |
| COC Signed / Accurate? | | | |
| Bottles arrive intact? | | ✓ | |
| Correct bottles used? | | ✓ | |
| Sufficient volume sent? | | ✓ | |
| If Applicable | | ✓ | |
| VOA Zero headspace? | | ✓ | |
| Preservation Correct / Checked? | | ✓ | |



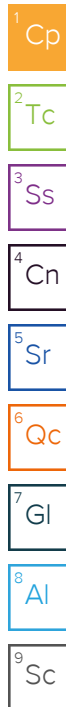
ANALYTICAL REPORT

April 23, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1342396
Samples Received: 04/22/2021
Project Number: 212C-MD-02471
Description: MCA 151

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

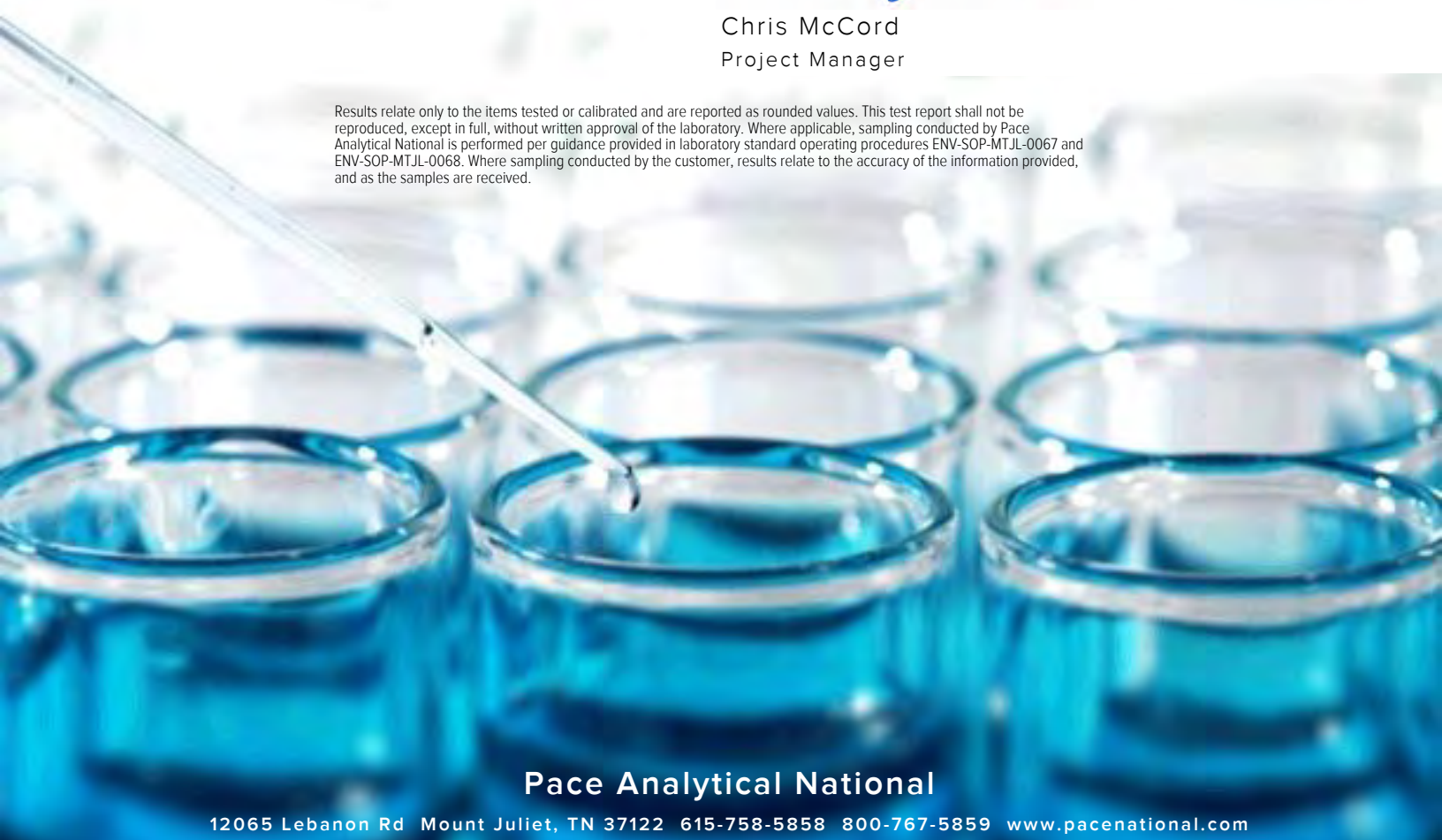


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
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

| | | |
|---|----|-----------------|
| Cp: Cover Page | 1 | ¹ Cp |
| Tc: Table of Contents | 2 | |
| Ss: Sample Summary | 3 | ² Tc |
| Cn: Case Narrative | 4 | |
| Sr: Sample Results | 5 | ³ Ss |
| FS-3 (4') L1342396-01 | 5 | ⁴ Cn |
| Qc: Quality Control Summary | 6 | |
| Total Solids by Method 2540 G-2011 | 6 | ⁵ Sr |
| Wet Chemistry by Method 300.0 | 7 | |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 8 | ⁶ Qc |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 9 | |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 10 | ⁷ Gl |
| Gl: Glossary of Terms | 11 | ⁸ Al |
| Al: Accreditations & Locations | 12 | |
| Sc: Sample Chain of Custody | 13 | ⁹ Sc |

FS-3 (4') L1342396-01 Solid

Collected by
John Thurston

Collected date/time
04/20/21 09:35

Received date/time
04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657127 | 1 | 04/23/21 08:11 | 04/23/21 08:19 | CMK | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 01:35 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1657068 | 1 | 04/22/21 15:19 | 04/23/21 13:58 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657084 | 1 | 04/22/21 15:19 | 04/22/21 16:41 | JHH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657255 | 1 | 04/23/21 00:03 | 04/23/21 08:44 | DMG | Mt. Juliet, TN |

1Cp

2Tc

3Ss

4Cn

5Sr

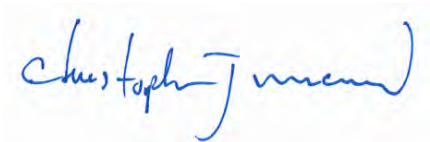
6Qc

7Gl

8Al

9Sc

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 McCord
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Collected date/time: 04/20/21 09:35

L1342396

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 94.1 | | 1 | 04/23/2021 08:19 | WG1657127 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 30.4 | | 9.78 | 21.3 | 1 | 04/23/2021 01:35 | WG1657237 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0231 | 0.106 | 1 | 04/23/2021 13:58 | WG1657068 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 92.5 | | | 77.0-120 | | 04/23/2021 13:58 | WG1657068 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000526 | 0.00113 | 1 | 04/22/2021 16:41 | WG1657084 |
| Toluene | U | | 0.00146 | 0.00563 | 1 | 04/22/2021 16:41 | WG1657084 |
| Ethylbenzene | U | | 0.000830 | 0.00281 | 1 | 04/22/2021 16:41 | WG1657084 |
| Total Xylenes | 0.00274 | J | 0.000991 | 0.00732 | 1 | 04/22/2021 16:41 | WG1657084 |
| (S) <i>Toluene-d8</i> | 85.9 | | | 75.0-131 | | 04/22/2021 16:41 | WG1657084 |
| (S) <i>4-Bromofluorobenzene</i> | 109 | | | 67.0-138 | | 04/22/2021 16:41 | WG1657084 |
| (S) <i>1,2-Dichloroethane-d4</i> | 110 | | | 70.0-130 | | 04/22/2021 16:41 | WG1657084 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|-------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.71 | 4.25 | 1 | 04/23/2021 08:44 | WG1657255 |
| C28-C40 Oil Range | 2.37 | B J | 0.291 | 4.25 | 1 | 04/23/2021 08:44 | WG1657255 |
| (S) <i>o</i> -Terphenyl | 70.5 | | | 18.0-148 | | 04/23/2021 08:44 | WG1657255 |

| |
|------|
| 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 [L1342396-01](#)

Method Blank (MB)

(MB) R3645882-1 04/23/21 08:19

| Analyte | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1342519-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1342519-01 04/23/21 08:19 • (DUP) R3645882-3 04/23/21 08:19

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| | % | % | | % | | % |
| Total Solids | 71.3 | 72.1 | 1 | 1.22 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3645882-2 04/23/21 08:19

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3645638-1 04/22/21 23:52

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Chloride | U | | 9.20 | 20.0 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1342396-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1342396-01 04/23/21 01:35 • (DUP) R3645638-3 04/23/21 01:44

| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | 30.4 | 28.8 | 1 | 5.46 | | 20 |

L1342401-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1342401-07 04/23/21 03:19 • (DUP) R3645638-4 04/23/21 03:29

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3645638-2 04/23/21 00:01

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Chloride | 200 | 213 | 107 | 90.0-110 | |

L1342401-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1342401-07 04/23/21 03:19 • (MS) R3645638-5 04/23/21 03:38 • (MSD) R3645638-6 04/23/21 03:48

| | 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 | % | % | | % | | | % | % |
| Chloride | 500 | U | 507 | 498 | 101 | 99.6 | 1 | 80.0-120 | | | 1.78 | 20 |

Method Blank (MB)

(MB) R3645824-2 04/23/21 11:28

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.9 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3645824-1 04/23/21 10:44

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.19 | 94.4 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 107 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3645371-3 04/22/21 15:50

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 99.8 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 110 | | | 70.0-130 |

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

(LCS) R3645371-1 04/22/21 14:34 • (LCSD) R3645371-2 04/22/21 14:53

| 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 | 0.126 | 0.122 | 101 | 97.6 | 70.0-123 | | | 3.23 | 20 |
| Ethylbenzene | 0.125 | 0.111 | 0.108 | 88.8 | 86.4 | 74.0-126 | | | 2.74 | 20 |
| Toluene | 0.125 | 0.103 | 0.105 | 82.4 | 84.0 | 75.0-121 | | | 1.92 | 20 |
| Xylenes, Total | 0.375 | 0.320 | 0.332 | 85.3 | 88.5 | 72.0-127 | | | 3.68 | 20 |
| (S) Toluene-d8 | | | | 86.3 | 86.3 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 87.1 | 88.9 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 109 | 112 | 70.0-130 | | | | |

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 8015 [L1342396-01](#)

Method Blank (MB)

(MB) R3645574-1 04/23/21 08:18

| 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-C40 Oil Range | 0.865 | ⬇ | 0.274 | 4.00 |
| (S) o-Terphenyl | 76.0 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3645574-2 04/23/21 08:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 42.2 | 84.4 | 50.0-150 | |
| (S) o-Terphenyl | | | 53.8 | 18.0-148 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.

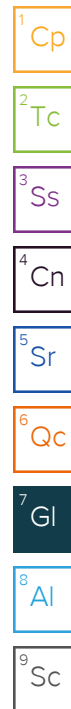
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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



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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Released to Imaging: 8/3/2021 8:43:52 AM



ANALYTICAL REPORT

April 28, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1342401
Samples Received: 04/22/2021
Project Number: 212C-MD-02471
Description: MCA 151

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
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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| Sr: Sample Results | 8 |
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| FS-8 (4') L1342401-02 | 9 |
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¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

FS-7 (4') L1342401-01 Solid

Collected by
John Thurston

Collected date/time
04/20/21 10:00

Received date/time
04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657461 | 1 | 04/23/21 14:22 | 04/23/21 14:31 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 01:54 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 13:42 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 12:36 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 00:00 | CAG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

FS-8 (4') L1342401-02 Solid

Collected by
John Thurston

Collected date/time
04/20/21 10:10

Received date/time
04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657461 | 1 | 04/23/21 14:22 | 04/23/21 14:31 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 02:03 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 14:04 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 12:55 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 00:14 | CAG | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

FS-9 (3') L1342401-03 Solid

Collected by
John Thurston

Collected date/time
04/20/21 10:20

Received date/time
04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657461 | 1 | 04/23/21 14:22 | 04/23/21 14:31 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 02:13 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 14:27 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 13:15 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 02:41 | CAG | Mt. Juliet, TN |

9 Sc

FS-10 (3') L1342401-04 Solid

Collected by
John Thurston

Collected date/time
04/20/21 10:30

Received date/time
04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657461 | 1 | 04/23/21 14:22 | 04/23/21 14:31 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 02:51 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 14:49 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 13:34 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 03:08 | CAG | Mt. Juliet, TN |

FS-11 (3') L1342401-05 Solid

Collected by
John Thurston

Collected date/time
04/20/21 10:40

Received date/time
04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657461 | 1 | 04/23/21 14:22 | 04/23/21 14:31 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 03:00 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 15:11 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 13:53 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 00:27 | CAG | Mt. Juliet, TN |

FS-12 (3') L1342401-06 Solid

Collected by John Thurston
Collected date/time 04/20/21 10:50
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 03:10 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1.01 | 04/22/21 21:27 | 04/24/21 15:33 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 14:12 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 00:40 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

WSW-8 L1342401-07 Solid

Collected by John Thurston
Collected date/time 04/20/21 11:00
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 03:19 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 15:55 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 14:31 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 00:54 | CAG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

WSW-9 L1342401-08 Solid

Collected by John Thurston
Collected date/time 04/20/21 11:10
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 03:57 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 16:17 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 14:50 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 01:07 | CAG | Mt. Juliet, TN |

⁹ Sc

WSW-10 L1342401-09 Solid

Collected by John Thurston
Collected date/time 04/20/21 11:20
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 04:07 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 16:39 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 15:09 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 01:21 | CAG | Mt. Juliet, TN |

WSW-11 L1342401-10 Solid

Collected by John Thurston
Collected date/time 04/20/21 11:30
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 04:16 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 17:01 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 15:28 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 01:34 | CAG | Mt. Juliet, TN |

WSW-12 L1342401-11 Solid

Collected by John Thurston
Collected date/time 04/20/21 11:30
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 04:45 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658559 | 1 | 04/22/21 21:27 | 04/26/21 04:42 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 15:47 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 01:48 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

ESW-8 L1342401-12 Solid

Collected by John Thurston
Collected date/time 04/20/21 11:35
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 04:54 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 17:45 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 16:06 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 02:28 | CAG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

ESW-9 L1342401-13 Solid

Collected by John Thurston
Collected date/time 04/20/21 11:40
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 05:04 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 18:07 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 16:25 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 02:01 | CAG | Mt. Juliet, TN |

⁹ Sc

ESW-10 L1342401-14 Solid

Collected by John Thurston
Collected date/time 04/20/21 11:45
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 05:13 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 18:29 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 16:44 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 02:15 | CAG | Mt. Juliet, TN |

ESW-11 L1342401-15 Solid

Collected by John Thurston
Collected date/time 04/20/21 11:50
Received date/time 04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657464 | 1 | 04/23/21 14:14 | 04/23/21 14:20 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 05:23 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658115 | 1 | 04/22/21 21:27 | 04/24/21 19:11 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 17:03 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/24/21 03:22 | CAG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 5 | 04/23/21 07:04 | 04/26/21 11:17 | CAG | Mt. Juliet, TN |

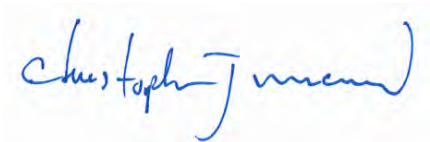
ESW-12 L1342401-16 Solid

Collected by
John ThurstonCollected date/time
04/20/21 11:55Received date/time
04/22/21 11:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|--------------------------|-----------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1657465 | 1 | 04/23/21 14:33 | 04/23/21 14:42 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1657237 | 1 | 04/22/21 22:40 | 04/23/21 05:33 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1658060 | 1 | 04/22/21 21:27 | 04/24/21 06:44 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1657605 | 1 | 04/22/21 21:27 | 04/23/21 17:22 | ACG | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1657256 | 1 | 04/23/21 07:04 | 04/25/21 16:50 | CAG | Mt. Juliet, TN |

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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 McCord
Project Manager

¹ Cp

² Tc

³ Ss

⁴ Cn

⁵ Sr

⁶ Qc

⁷ Gl

⁸ Al

⁹ Sc

Collected date/time: 04/20/21 10:00

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.3 | | 1 | 04/23/2021 14:31 | WG1657461 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.65 | 21.0 | 1 | 04/23/2021 01:54 | WG1657237 |

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

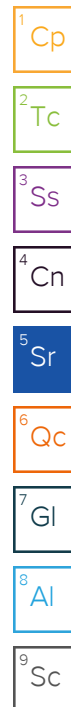
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0228 | 0.105 | 1 | 04/24/2021 13:42 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.1 | | | 77.0-120 | | 04/24/2021 13:42 | WG1658115 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000513 | 0.00110 | 1 | 04/23/2021 12:36 | WG1657605 |
| Toluene | U | | 0.00143 | 0.00549 | 1 | 04/23/2021 12:36 | WG1657605 |
| Ethylbenzene | U | | 0.000809 | 0.00275 | 1 | 04/23/2021 12:36 | WG1657605 |
| Total Xylenes | U | | 0.000966 | 0.00714 | 1 | 04/23/2021 12:36 | WG1657605 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 04/23/2021 12:36 | WG1657605 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/23/2021 12:36 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 04/23/2021 12:36 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.42 | J | 1.69 | 4.20 | 1 | 04/24/2021 00:00 | WG1657256 |
| C28-C40 Oil Range | 3.43 | J | 0.287 | 4.20 | 1 | 04/24/2021 00:00 | WG1657256 |
| (S) o-Terphenyl | 49.8 | | | 18.0-148 | | 04/24/2021 00:00 | WG1657256 |



Collected date/time: 04/20/21 10:10

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.4 | | 1 | 04/23/2021 14:31 | WG1657461 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.75 | 21.2 | 1 | 04/23/2021 02:03 | WG1657237 |

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

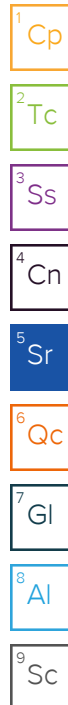
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0230 | 0.106 | 1 | 04/24/2021 14:04 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.7 | | | 77.0-120 | | 04/24/2021 14:04 | WG1658115 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000523 | 0.00112 | 1 | 04/23/2021 12:55 | WG1657605 |
| Toluene | U | | 0.00145 | 0.00560 | 1 | 04/23/2021 12:55 | WG1657605 |
| Ethylbenzene | 0.000867 | J | 0.000825 | 0.00280 | 1 | 04/23/2021 12:55 | WG1657605 |
| Total Xylenes | 0.00302 | J | 0.000985 | 0.00727 | 1 | 04/23/2021 12:55 | WG1657605 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 04/23/2021 12:55 | WG1657605 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/23/2021 12:55 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 | | 04/23/2021 12:55 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 5.19 | | 1.71 | 4.24 | 1 | 04/24/2021 00:14 | WG1657256 |
| C28-C40 Oil Range | 6.89 | | 0.290 | 4.24 | 1 | 04/24/2021 00:14 | WG1657256 |
| (S) o-Terphenyl | 56.7 | | | 18.0-148 | | 04/24/2021 00:14 | WG1657256 |



Collected date/time: 04/20/21 10:20

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.7 | | 1 | 04/23/2021 14:31 | WG1657461 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 26.1 | | 9.82 | 21.3 | 1 | 04/23/2021 02:13 | WG1657237 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0232 | 0.107 | 1 | 04/24/2021 14:27 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.9 | | | 77.0-120 | | 04/24/2021 14:27 | WG1658115 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000530 | 0.00113 | 1 | 04/23/2021 13:15 | WG1657605 |
| Toluene | U | | 0.00147 | 0.00567 | 1 | 04/23/2021 13:15 | WG1657605 |
| Ethylbenzene | U | | 0.000836 | 0.00284 | 1 | 04/23/2021 13:15 | WG1657605 |
| Total Xylenes | U | | 0.000998 | 0.00737 | 1 | 04/23/2021 13:15 | WG1657605 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 04/23/2021 13:15 | WG1657605 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 | | 04/23/2021 13:15 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 04/23/2021 13:15 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 20.0 | | 1.72 | 4.27 | 1 | 04/24/2021 02:41 | WG1657256 |
| C28-C40 Oil Range | 28.9 | | 0.292 | 4.27 | 1 | 04/24/2021 02:41 | WG1657256 |
| (S) o-Terphenyl | 53.0 | | | 18.0-148 | | 04/24/2021 02:41 | WG1657256 |

Collected date/time: 04/20/21 10:30

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.5 | | 1 | 04/23/2021 14:31 | WG1657461 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 102 | | 9.54 | 20.7 | 1 | 04/23/2021 02:51 | WG1657237 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0225 | 0.104 | 1 | 04/24/2021 14:49 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.9 | | | 77.0-120 | | 04/24/2021 14:49 | WG1658115 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000501 | 0.00107 | 1 | 04/23/2021 13:34 | WG1657605 |
| Toluene | U | | 0.00140 | 0.00537 | 1 | 04/23/2021 13:34 | WG1657605 |
| Ethylbenzene | U | | 0.000791 | 0.00268 | 1 | 04/23/2021 13:34 | WG1657605 |
| Total Xylenes | 0.00217 | J | 0.000945 | 0.00698 | 1 | 04/23/2021 13:34 | WG1657605 |
| (S) Toluene-d8 | 111 | | | 75.0-131 | | 04/23/2021 13:34 | WG1657605 |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 | | 04/23/2021 13:34 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 | | 04/23/2021 13:34 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 54.1 | | 1.67 | 4.15 | 1 | 04/24/2021 03:08 | WG1657256 |
| C28-C40 Oil Range | 65.8 | | 0.284 | 4.15 | 1 | 04/24/2021 03:08 | WG1657256 |
| (S) o-Terphenyl | 54.7 | | | 18.0-148 | | 04/24/2021 03:08 | WG1657256 |

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

Collected date/time: 04/20/21 10:40

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.0 | | 1 | 04/23/2021 14:31 | WG1657461 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 16.3 | J | 9.89 | 21.5 | 1 | 04/23/2021 03:00 | WG1657237 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0233 | 0.108 | 1 | 04/24/2021 15:11 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.7 | | | 77.0-120 | | 04/24/2021 15:11 | WG1658115 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000537 | 0.00115 | 1 | 04/23/2021 13:53 | WG1657605 |
| Toluene | U | | 0.00149 | 0.00575 | 1 | 04/23/2021 13:53 | WG1657605 |
| Ethylbenzene | 0.00218 | J | 0.000848 | 0.00287 | 1 | 04/23/2021 13:53 | WG1657605 |
| Total Xylenes | 0.00586 | J | 0.00101 | 0.00747 | 1 | 04/23/2021 13:53 | WG1657605 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/23/2021 13:53 | WG1657605 |
| (S) 4-Bromofluorobenzene | 109 | | | 67.0-138 | | 04/23/2021 13:53 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 98.6 | | | 70.0-130 | | 04/23/2021 13:53 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.01 | J | 1.73 | 4.30 | 1 | 04/24/2021 00:27 | WG1657256 |
| C28-C40 Oil Range | 5.90 | | 0.295 | 4.30 | 1 | 04/24/2021 00:27 | WG1657256 |
| (S) o-Terphenyl | 63.3 | | | 18.0-148 | | 04/24/2021 00:27 | WG1657256 |

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

Collected date/time: 04/20/21 10:50

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.4 | | 1 | 04/23/2021 14:20 | WG1657464 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 60.6 | | 9.65 | 21.0 | 1 | 04/23/2021 03:10 | WG1657237 |

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

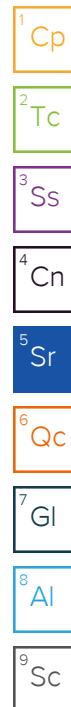
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0230 | 0.106 | 1.01 | 04/24/2021 15:33 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.1 | | | 77.0-120 | | 04/24/2021 15:33 | WG1658115 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000512 | 0.00110 | 1 | 04/23/2021 14:12 | WG1657605 |
| Toluene | U | | 0.00143 | 0.00548 | 1 | 04/23/2021 14:12 | WG1657605 |
| Ethylbenzene | U | | 0.000808 | 0.00274 | 1 | 04/23/2021 14:12 | WG1657605 |
| Total Xylenes | 0.00281 | J | 0.000965 | 0.00713 | 1 | 04/23/2021 14:12 | WG1657605 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/23/2021 14:12 | WG1657605 |
| (S) 4-Bromofluorobenzene | 104 | | | 67.0-138 | | 04/23/2021 14:12 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 99.4 | | | 70.0-130 | | 04/23/2021 14:12 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 8.57 | | 1.69 | 4.19 | 1 | 04/24/2021 00:40 | WG1657256 |
| C28-C40 Oil Range | 12.0 | | 0.287 | 4.19 | 1 | 04/24/2021 00:40 | WG1657256 |
| (S) o-Terphenyl | 58.9 | | | 18.0-148 | | 04/24/2021 00:40 | WG1657256 |



Collected date/time: 04/20/21 11:00

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.9 | | 1 | 04/23/2021 14:20 | WG1657464 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.30 | 20.2 | 1 | 04/23/2021 03:19 | WG1657237 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0219 | 0.101 | 1 | 04/24/2021 15:55 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.1 | | | 77.0-120 | | 04/24/2021 15:55 | WG1658115 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000477 | 0.00102 | 1 | 04/23/2021 14:31 | WG1657605 |
| Toluene | U | | 0.00133 | 0.00511 | 1 | 04/23/2021 14:31 | WG1657605 |
| Ethylbenzene | 0.00107 | J | 0.000753 | 0.00255 | 1 | 04/23/2021 14:31 | WG1657605 |
| Total Xylenes | 0.00278 | J | 0.000899 | 0.00664 | 1 | 04/23/2021 14:31 | WG1657605 |
| (S) Toluene-d8 | 115 | | | 75.0-131 | | 04/23/2021 14:31 | WG1657605 |
| (S) 4-Bromofluorobenzene | 109 | | | 67.0-138 | | 04/23/2021 14:31 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 04/23/2021 14:31 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.79 | J | 1.63 | 4.04 | 1 | 04/24/2021 00:54 | WG1657256 |
| C28-C40 Oil Range | 4.71 | | 0.277 | 4.04 | 1 | 04/24/2021 00:54 | WG1657256 |
| (S) o-Terphenyl | 65.0 | | | 18.0-148 | | 04/24/2021 00:54 | WG1657256 |

Collected date/time: 04/20/21 11:10

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.6 | | 1 | 04/23/2021 14:20 | WG1657464 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | U | | 9.33 | 20.3 | 1 | 04/23/2021 03:57 | WG1657237 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.101 | 1 | 04/24/2021 16:17 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.3 | | | 77.0-120 | | 04/24/2021 16:17 | WG1658115 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000480 | 0.00103 | 1 | 04/23/2021 14:50 | WG1657605 |
| Toluene | U | | 0.00134 | 0.00514 | 1 | 04/23/2021 14:50 | WG1657605 |
| Ethylbenzene | U | | 0.000758 | 0.00257 | 1 | 04/23/2021 14:50 | WG1657605 |
| Total Xylenes | U | | 0.000905 | 0.00668 | 1 | 04/23/2021 14:50 | WG1657605 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/23/2021 14:50 | WG1657605 |
| (S) 4-Bromofluorobenzene | 99.0 | | | 67.0-138 | | 04/23/2021 14:50 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 99.7 | | | 70.0-130 | | 04/23/2021 14:50 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.06 | 1 | 04/24/2021 01:07 | WG1657256 |
| C28-C40 Oil Range | 3.53 | J | 0.278 | 4.06 | 1 | 04/24/2021 01:07 | WG1657256 |
| (S) o-Terphenyl | 58.1 | | | 18.0-148 | | 04/24/2021 01:07 | WG1657256 |

Collected date/time: 04/20/21 11:20

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.7 | | 1 | 04/23/2021 14:20 | WG1657464 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 10.3 | J | 9.32 | 20.3 | 1 | 04/23/2021 04:07 | WG1657237 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.101 | 1 | 04/24/2021 16:39 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.1 | | | 77.0-120 | | 04/24/2021 16:39 | WG1658115 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000479 | 0.00103 | 1 | 04/23/2021 15:09 | WG1657605 |
| Toluene | U | | 0.00133 | 0.00513 | 1 | 04/23/2021 15:09 | WG1657605 |
| Ethylbenzene | U | | 0.000756 | 0.00256 | 1 | 04/23/2021 15:09 | WG1657605 |
| Total Xylenes | U | | 0.000902 | 0.00667 | 1 | 04/23/2021 15:09 | WG1657605 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 04/23/2021 15:09 | WG1657605 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 | | 04/23/2021 15:09 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 97.6 | | | 70.0-130 | | 04/23/2021 15:09 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.87 | J | 1.63 | 4.05 | 1 | 04/24/2021 01:21 | WG1657256 |
| C28-C40 Oil Range | 4.30 | | 0.277 | 4.05 | 1 | 04/24/2021 01:21 | WG1657256 |
| (S) o-Terphenyl | 68.7 | | | 18.0-148 | | 04/24/2021 01:21 | WG1657256 |

Collected date/time: 04/20/21 11:30

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.8 | | 1 | 04/23/2021 14:20 | WG1657464 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 20.5 | | 9.41 | 20.5 | 1 | 04/23/2021 04:16 | WG1657237 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0222 | 0.102 | 1 | 04/24/2021 17:01 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.8 | | | 77.0-120 | | 04/24/2021 17:01 | WG1658115 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000488 | 0.00105 | 1 | 04/23/2021 15:28 | WG1657605 |
| Toluene | U | | 0.00136 | 0.00523 | 1 | 04/23/2021 15:28 | WG1657605 |
| Ethylbenzene | U | | 0.000770 | 0.00261 | 1 | 04/23/2021 15:28 | WG1657605 |
| Total Xylenes | 0.00125 | J | 0.000920 | 0.00679 | 1 | 04/23/2021 15:28 | WG1657605 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/23/2021 15:28 | WG1657605 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 | | 04/23/2021 15:28 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 04/23/2021 15:28 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.73 | J | 1.65 | 4.09 | 1 | 04/24/2021 01:34 | WG1657256 |
| C28-C40 Oil Range | 3.57 | J | 0.280 | 4.09 | 1 | 04/24/2021 01:34 | WG1657256 |
| (S) o-Terphenyl | 60.9 | | | 18.0-148 | | 04/24/2021 01:34 | WG1657256 |

Collected date/time: 04/20/21 11:30

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 88.5 | | 1 | 04/23/2021 14:20 | WG1657464 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 10.4 | 22.6 | 1 | 04/23/2021 04:45 | WG1657237 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0348 | J | 0.0245 | 0.113 | 1 | 04/26/2021 04:42 | WG1658559 |
| (S) a,a,a-Trifluorotoluene(FID) | 94.8 | | | 77.0-120 | | 04/26/2021 04:42 | WG1658559 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000589 | 0.00126 | 1 | 04/23/2021 15:47 | WG1657605 |
| Toluene | U | | 0.00164 | 0.00630 | 1 | 04/23/2021 15:47 | WG1657605 |
| Ethylbenzene | U | | 0.000929 | 0.00315 | 1 | 04/23/2021 15:47 | WG1657605 |
| Total Xylenes | 0.00139 | J | 0.00111 | 0.00819 | 1 | 04/23/2021 15:47 | WG1657605 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 04/23/2021 15:47 | WG1657605 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/23/2021 15:47 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 | | 04/23/2021 15:47 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.82 | 4.52 | 1 | 04/24/2021 01:48 | WG1657256 |
| C28-C40 Oil Range | 2.57 | J | 0.310 | 4.52 | 1 | 04/24/2021 01:48 | WG1657256 |
| (S) o-Terphenyl | 63.8 | | | 18.0-148 | | 04/24/2021 01:48 | WG1657256 |

Collected date/time: 04/20/21 11:35

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.3 | | 1 | 04/23/2021 14:20 | WG1657464 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.36 | 20.3 | 1 | 04/23/2021 04:54 | WG1657237 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1 | 04/24/2021 17:45 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.9 | | | 77.0-120 | | 04/24/2021 17:45 | WG1658115 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000483 | 0.00103 | 1 | 04/23/2021 16:06 | WG1657605 |
| Toluene | U | | 0.00135 | 0.00517 | 1 | 04/23/2021 16:06 | WG1657605 |
| Ethylbenzene | U | | 0.000763 | 0.00259 | 1 | 04/23/2021 16:06 | WG1657605 |
| Total Xylenes | U | | 0.000911 | 0.00673 | 1 | 04/23/2021 16:06 | WG1657605 |
| (S) Toluene-d8 | 100 | | | 75.0-131 | | 04/23/2021 16:06 | WG1657605 |
| (S) 4-Bromofluorobenzene | 114 | | | 67.0-138 | | 04/23/2021 16:06 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 04/23/2021 16:06 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 4.66 | | 1.64 | 4.07 | 1 | 04/24/2021 02:28 | WG1657256 |
| C28-C40 Oil Range | 6.92 | | 0.279 | 4.07 | 1 | 04/24/2021 02:28 | WG1657256 |
| (S) o-Terphenyl | 64.3 | | | 18.0-148 | | 04/24/2021 02:28 | WG1657256 |

Collected date/time: 04/20/21 11:40

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.8 | | 1 | 04/23/2021 14:20 | WG1657464 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.41 | 20.4 | 1 | 04/23/2021 05:04 | WG1657237 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0222 | 0.102 | 1 | 04/24/2021 18:07 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.0 | | | 77.0-120 | | 04/24/2021 18:07 | WG1658115 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000488 | 0.00104 | 1 | 04/23/2021 16:25 | WG1657605 |
| Toluene | U | | 0.00136 | 0.00522 | 1 | 04/23/2021 16:25 | WG1657605 |
| Ethylbenzene | U | | 0.000770 | 0.00261 | 1 | 04/23/2021 16:25 | WG1657605 |
| Total Xylenes | U | | 0.000919 | 0.00679 | 1 | 04/23/2021 16:25 | WG1657605 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/23/2021 16:25 | WG1657605 |
| (S) 4-Bromofluorobenzene | 114 | | | 67.0-138 | | 04/23/2021 16:25 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 99.4 | | | 70.0-130 | | 04/23/2021 16:25 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.66 | J | 1.65 | 4.09 | 1 | 04/24/2021 02:01 | WG1657256 |
| C28-C40 Oil Range | 6.35 | | 0.280 | 4.09 | 1 | 04/24/2021 02:01 | WG1657256 |
| (S) o-Terphenyl | 62.1 | | | 18.0-148 | | 04/24/2021 02:01 | WG1657256 |

Collected date/time: 04/20/21 11:45

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.5 | | 1 | 04/23/2021 14:20 | WG1657464 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 23.2 | | 9.34 | 20.3 | 1 | 04/23/2021 05:13 | WG1657237 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.101 | 1 | 04/24/2021 18:29 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.1 | | | 77.0-120 | | 04/24/2021 18:29 | WG1658115 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000481 | 0.00103 | 1 | 04/23/2021 16:44 | WG1657605 |
| Toluene | U | | 0.00134 | 0.00515 | 1 | 04/23/2021 16:44 | WG1657605 |
| Ethylbenzene | U | | 0.000759 | 0.00257 | 1 | 04/23/2021 16:44 | WG1657605 |
| Total Xylenes | U | | 0.000906 | 0.00669 | 1 | 04/23/2021 16:44 | WG1657605 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/23/2021 16:44 | WG1657605 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 | | 04/23/2021 16:44 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 04/23/2021 16:44 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.06 | 1 | 04/24/2021 02:15 | WG1657256 |
| C28-C40 Oil Range | 5.21 | | 0.278 | 4.06 | 1 | 04/24/2021 02:15 | WG1657256 |
| (S) o-Terphenyl | 75.7 | | | 18.0-148 | | 04/24/2021 02:15 | WG1657256 |

Collected date/time: 04/20/21 11:50

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 97.3 | | 1 | 04/23/2021 14:20 | WG1657464 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | U | | 9.45 | 20.6 | 1 | 04/23/2021 05:23 | WG1657237 |

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

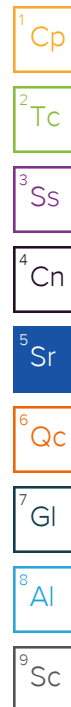
| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0908 | <u>J</u> | 0.0223 | 0.103 | 1 | 04/24/2021 19:11 | WG1658115 |
| (S) a,a,a-Trifluorotoluene(FID) | 91.7 | | | 77.0-120 | | 04/24/2021 19:11 | WG1658115 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000493 | 0.00106 | 1 | 04/23/2021 17:03 | WG1657605 |
| Toluene | U | | 0.00137 | 0.00528 | 1 | 04/23/2021 17:03 | WG1657605 |
| Ethylbenzene | 0.00274 | | 0.000778 | 0.00264 | 1 | 04/23/2021 17:03 | WG1657605 |
| Total Xylenes | 0.0145 | | 0.000929 | 0.00686 | 1 | 04/23/2021 17:03 | WG1657605 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/23/2021 17:03 | WG1657605 |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 | | 04/23/2021 17:03 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 | | 04/23/2021 17:03 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 81.0 | | 1.65 | 4.11 | 1 | 04/24/2021 03:22 | WG1657256 |
| C28-C40 Oil Range | 251 | | 1.41 | 20.6 | 5 | 04/26/2021 11:17 | WG1657256 |
| (S) o-Terphenyl | 56.1 | | | 18.0-148 | | 04/26/2021 11:17 | WG1657256 |
| (S) o-Terphenyl | 61.7 | | | 18.0-148 | | 04/24/2021 03:22 | WG1657256 |



Collected date/time: 04/20/21 11:55

L1342401

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.7 | | 1 | 04/23/2021 14:42 | WG1657465 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 10.3 | J | 9.42 | 20.5 | 1 | 04/23/2021 05:33 | WG1657237 |

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

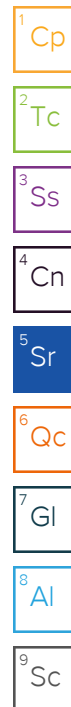
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0222 | 0.102 | 1 | 04/24/2021 06:44 | WG1658060 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8 | | | 77.0-120 | | 04/24/2021 06:44 | WG1658060 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000489 | 0.00105 | 1 | 04/23/2021 17:22 | WG1657605 |
| Toluene | U | | 0.00136 | 0.00523 | 1 | 04/23/2021 17:22 | WG1657605 |
| Ethylbenzene | U | | 0.000772 | 0.00262 | 1 | 04/23/2021 17:22 | WG1657605 |
| Total Xylenes | U | | 0.000921 | 0.00680 | 1 | 04/23/2021 17:22 | WG1657605 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 04/23/2021 17:22 | WG1657605 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 | | 04/23/2021 17:22 | WG1657605 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 04/23/2021 17:22 | WG1657605 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 16.5 | | 1.65 | 4.09 | 1 | 04/25/2021 16:50 | WG1657256 |
| C28-C40 Oil Range | 30.4 | | 0.280 | 4.09 | 1 | 04/25/2021 16:50 | WG1657256 |
| (S) o-Terphenyl | 45.2 | | | 18.0-148 | | 04/25/2021 16:50 | WG1657256 |



Total Solids by Method 2540 G-2011 [L1342401-01,02,03,04,05](#)

Method Blank (MB)

(MB) R3646024-1 04/23/21 14:31

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1342401-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1342401-02 04/23/21 14:31 • (DUP) R3646024-3 04/23/21 14:31

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 94.4 | 94.6 | 1 | 0.192 | | 10 |

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3646024-2 04/23/21 14:31

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁹Sc

Total Solids by Method 2540 G-2011 [L1342401-06,07,08,09,10,11,12,13,14,15](#)

Method Blank (MB)

(MB) R3646021-1 04/23/21 14:20

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1342401-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1342401-13 04/23/21 14:20 • (DUP) R3646021-3 04/23/21 14:20

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 97.8 | 99.2 | 1 | 1.41 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3646021-2 04/23/21 14:20

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1342401-16](#)

Method Blank (MB)

(MB) R3646027-1 04/23/21 14:42

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

L1342411-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1342411-03 04/23/21 14:42 • (DUP) R3646027-3 04/23/21 14:42

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| | % | % | | % | | % |
| Total Solids | 85.0 | 84.4 | 1 | 0.739 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3646027-2 04/23/21 14:42

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 300.0

[L1342401-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16](#)

Method Blank (MB)

(MB) R3645638-1 04/22/21 23:52

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | U | | 9.20 | 20.0 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1342396-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1342396-01 04/23/21 01:35 • (DUP) R3645638-3 04/23/21 01:44

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 30.4 | 28.8 | 1 | 5.46 | | 20 |

L1342401-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1342401-07 04/23/21 03:19 • (DUP) R3645638-4 04/23/21 03:29

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3645638-2 04/23/21 00:01

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200 | 213 | 107 | 90.0-110 | |

L1342401-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1342401-07 04/23/21 03:19 • (MS) R3645638-5 04/23/21 03:38 • (MSD) R3645638-6 04/23/21 03:48

| 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 % |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 505 | U | 513 | 503 | 101 | 99.6 | 1 | 80.0-120 | | | 1.78 | 20 |

Method Blank (MB)

(MB) R3646238-2 04/24/21 05:41

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 101 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3646238-1 04/24/21 04:34

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 4.99 | 90.7 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 106 | 77.0-120 | |

L1342401-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1342401-16 04/24/21 06:44 • (MS) R3646238-3 04/24/21 16:43 • (MSD) R3646238-4 04/24/21 18:58

| 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 % |
|------------------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 5.63 | U | 1.60 | 1.68 | 28.4 | 30.1 | 1 | 10.0-151 | | | 5.00 | 28 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 102 | 102 | | 77.0-120 | | | | |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

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

[L1342401-01,02,03,04,05,06,07,08,09,10,12,13,14,15](#)

Method Blank (MB)

(MB) R3646246-2 04/24/21 10:52

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 95.4 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3646246-1 04/24/21 10:08

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 6.00 | 109 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 112 | 77.0-120 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1342401-11](#)

Method Blank (MB)

(MB) R3646470-2 04/26/21 03:43

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.0 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3646470-1 04/26/21 02:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 4.62 | 84.0 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 103 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

L1342401-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16

Method Blank (MB)

(MB) R3646206-3 04/23/21 10:52

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 112 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 |

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

(LCS) R3646206-1 04/23/21 09:36 • (LCSD) R3646206-2 04/23/21 09:55

| 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 | 0.112 | 0.110 | 89.6 | 88.0 | 70.0-123 | | | 1.80 | 20 |
| Ethylbenzene | 0.125 | 0.130 | 0.127 | 104 | 102 | 74.0-126 | | | 2.33 | 20 |
| Toluene | 0.125 | 0.125 | 0.121 | 100 | 96.8 | 75.0-121 | | | 3.25 | 20 |
| Xylenes, Total | 0.375 | 0.391 | 0.379 | 104 | 101 | 72.0-127 | | | 3.12 | 20 |
| (S) Toluene-d8 | | | | 107 | 109 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 101 | 102 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 103 | 104 | 70.0-130 | | | | |

L1341170-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1341170-01 04/23/21 18:00 • (MS) R3646206-4 04/23/21 19:54 • (MSD) R3646206-5 04/23/21 20:14

| 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 % |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 4.00 | 0.0767 | 1.71 | 3.67 | 40.9 | 89.9 | 40 | 10.0-149 | | J3 | 72.7 | 37 |
| Ethylbenzene | 4.00 | 3.00 | 3.93 | 6.41 | 23.3 | 85.3 | 40 | 10.0-160 | | J3 | 47.9 | 38 |
| Toluene | 4.00 | 2.77 | 3.61 | 5.99 | 20.8 | 80.4 | 40 | 10.0-156 | | J3 | 49.7 | 38 |
| Xylenes, Total | 12.0 | 25.6 | 22.7 | 28.9 | 0.000 | 27.2 | 40 | 10.0-160 | J6 | | 24.1 | 38 |
| (S) Toluene-d8 | | | | | 107 | 107 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 109 | 107 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 102 | 104 | | 70.0-130 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1342401-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16](#)

Method Blank (MB)

(MB) R3646217-1 04/23/21 22:53

| 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-C40 Oil Range | U | | 0.274 | 4.00 |
| (S) o-Terphenyl | 61.7 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3646217-2 04/23/21 23:06

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 32.2 | 64.4 | 50.0-150 | |
| (S) o-Terphenyl | | | 56.2 | 18.0-148 | |

L1340727-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1340727-01 04/25/21 18:09 • (MS) R3646421-1 04/25/21 18:22 • (MSD) R3646421-2 04/25/21 18:35

| 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 % |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 55.5 | 11.3 | 58.9 | 62.7 | 85.7 | 93.1 | 1 | 50.0-150 | | | 6.36 | 20 |
| (S) o-Terphenyl | | | | | 23.5 | 30.7 | | 18.0-148 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Guide to Reading and Understanding Your Laboratory Report

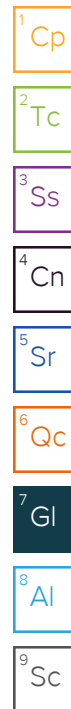
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| 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. |



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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Released to Imaging: 8/3/2021 8:43:52 AM



Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

U342401

| | | | |
|---|--|---------------------------|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Lull |
| Project Name: | MCA 151 | Contact Info: | Email: christian.lull@tetrattech.com Phone: (512) 338-1667 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | 212C-MD-02471 |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | John Thurston |
| Comments: COPTETRA Acctnum | | | |

ANALYSIS REQUEST
(Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX 8260B / 624 | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCL | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------------|------------|-------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|------------------|-------------------------|------------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|---|----------------------|-----------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | YEAR: 2021 | | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -11 | WSW-12 | 4/20/2021 | 11:30 | | X | | | | X | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Sample Receipt Checklist

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

| | | | | | |
|--------------------|---------|-------|--------------------|---------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| <i>[Signature]</i> | 4/21/21 | 0900 | <i>[Signature]</i> | 4-21-21 | Boj |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| <i>[Signature]</i> | 4-21-21 | 14:00 | <i>[Signature]</i> | 4-21-21 | 14:00 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | <i>[Signature]</i> | 4/22/21 | 1100 |

LAB USE ONLY

Sample Temperature

1.94021.9
[Signature]

REMARKS:

- ☐ Standard
- ☒ RUSH: Same Day 24 hr. 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____



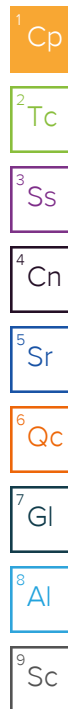
ANALYTICAL REPORT

April 29, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1344804
Samples Received: 04/28/2021
Project Number: 212C-MD-02471
Description: COP MCA 151 Flowline Release

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701



Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Erica McNeese".

Erica McNeese
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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| Tc: Table of Contents | 2 |
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| Cn: Case Narrative | 4 |
| Sr: Sample Results | 5 |
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| FS-10 (4") L1344804-02 | 6 |
| ESW-16 (4') L1344804-03 | 7 |
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| Wet Chemistry by Method 300.0 | 9 |
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FS-15 (6") L1344804-01 Solid

Collected by
John Thurston

Collected date/time
04/27/21 11:15

Received date/time
04/28/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1660692 | 1 | 04/28/21 15:39 | 04/28/21 15:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1660739 | 5 | 04/28/21 21:54 | 04/29/21 06:19 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1661028 | 1 | 04/28/21 20:25 | 04/29/21 14:12 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1660921 | 1 | 04/28/21 20:25 | 04/29/21 01:28 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1660554 | 1 | 04/28/21 21:01 | 04/29/21 06:25 | CAG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

FS-10 (4') L1344804-02 Solid

Collected by
John Thurston

Collected date/time
04/27/21 11:22

Received date/time
04/28/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1660692 | 1 | 04/28/21 15:39 | 04/28/21 15:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1660739 | 1 | 04/28/21 21:54 | 04/29/21 06:29 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1661028 | 1 | 04/28/21 20:25 | 04/29/21 14:34 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1660921 | 1 | 04/28/21 20:25 | 04/29/21 01:47 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1660554 | 1 | 04/28/21 21:01 | 04/29/21 06:39 | CAG | Mt. Juliet, TN |

ESW-16 (4') L1344804-03 Solid

Collected by
John Thurston

Collected date/time
04/27/21 11:29

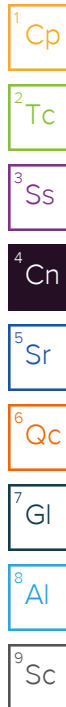
Received date/time
04/28/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1660692 | 1 | 04/28/21 15:39 | 04/28/21 15:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1660739 | 1 | 04/28/21 21:54 | 04/29/21 06:38 | ELN | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1661028 | 1 | 04/28/21 20:25 | 04/29/21 14:56 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1660921 | 1 | 04/28/21 20:25 | 04/29/21 02:06 | TPR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1660554 | 1 | 04/28/21 21:01 | 04/29/21 06:52 | CAG | Mt. Juliet, TN |

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.



Erica McNeese
Project Manager



Collected date/time: 04/27/21 11:15

L1344804

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.3 | | 1 | 04/28/2021 15:47 | WG1660692 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 958 | | 51.5 | 112 | 5 | 04/29/2021 06:19 | WG1660739 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0243 | 0.112 | 1 | 04/29/2021 14:12 | WG1661028 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.4 | | | 77.0-120 | | 04/29/2021 14:12 | WG1661028 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.00140 | | 0.000579 | 0.00124 | 1 | 04/29/2021 01:28 | WG1660921 |
| Toluene | 0.00651 | | 0.00161 | 0.00620 | 1 | 04/29/2021 01:28 | WG1660921 |
| Ethylbenzene | 0.00347 | | 0.000913 | 0.00310 | 1 | 04/29/2021 01:28 | WG1660921 |
| Total Xylenes | 0.0145 | | 0.00109 | 0.00806 | 1 | 04/29/2021 01:28 | WG1660921 |
| (S) Toluene-d8 | 110 | | | 75.0-131 | | 04/29/2021 01:28 | WG1660921 |
| (S) 4-Bromofluorobenzene | 128 | | | 67.0-138 | | 04/29/2021 01:28 | WG1660921 |
| (S) 1,2-Dichloroethane-d4 | 110 | | | 70.0-130 | | 04/29/2021 01:28 | WG1660921 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.80 | 4.48 | 1 | 04/29/2021 06:25 | WG1660554 |
| C28-C40 Oil Range | U | | 0.307 | 4.48 | 1 | 04/29/2021 06:25 | WG1660554 |
| (S) o-Terphenyl | 29.3 | | | 18.0-148 | | 04/29/2021 06:25 | WG1660554 |

Collected date/time: 04/27/21 11:22

L1344804

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.8 | | 1 | 04/28/2021 15:47 | WG1660692 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 180 | | 9.81 | 21.3 | 1 | 04/29/2021 06:29 | WG1660739 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0421 | <u>J</u> | 0.0231 | 0.107 | 1 | 04/29/2021 14:34 | WG1661028 |
| (S) a,a,a-Trifluorotoluene(FID) | 93.3 | | | 77.0-120 | | 04/29/2021 14:34 | WG1661028 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000528 | 0.00113 | 1 | 04/29/2021 01:47 | WG1660921 |
| Toluene | 0.00175 | <u>J</u> | 0.00147 | 0.00566 | 1 | 04/29/2021 01:47 | WG1660921 |
| Ethylbenzene | 0.00988 | | 0.000834 | 0.00283 | 1 | 04/29/2021 01:47 | WG1660921 |
| Total Xylenes | 0.0423 | | 0.000996 | 0.00735 | 1 | 04/29/2021 01:47 | WG1660921 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 04/29/2021 01:47 | WG1660921 |
| (S) 4-Bromofluorobenzene | 101 | | | 67.0-138 | | 04/29/2021 01:47 | WG1660921 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 04/29/2021 01:47 | WG1660921 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 4.19 | <u>B J</u> | 1.72 | 4.26 | 1 | 04/29/2021 06:39 | WG1660554 |
| C28-C40 Oil Range | 2.75 | <u>B J</u> | 0.292 | 4.26 | 1 | 04/29/2021 06:39 | WG1660554 |
| (S) o-Terphenyl | 82.4 | | | 18.0-148 | | 04/29/2021 06:39 | WG1660554 |

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

Collected date/time: 04/27/21 11:29

L1344804

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.0 | | 1 | 04/28/2021 15:47 | WG1660692 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 91.8 | | 9.39 | 20.4 | 1 | 04/29/2021 06:38 | WG1660739 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1 | 04/29/2021 14:56 | WG1661028 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.6 | | | 77.0-120 | | 04/29/2021 14:56 | WG1661028 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | 0.000573 | J | 0.000486 | 0.00104 | 1 | 04/29/2021 02:06 | WG1660921 |
| Toluene | U | | 0.00135 | 0.00521 | 1 | 04/29/2021 02:06 | WG1660921 |
| Ethylbenzene | 0.00469 | | 0.000767 | 0.00260 | 1 | 04/29/2021 02:06 | WG1660921 |
| Total Xylenes | 0.0409 | | 0.000916 | 0.00677 | 1 | 04/29/2021 02:06 | WG1660921 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 04/29/2021 02:06 | WG1660921 |
| (S) 4-Bromofluorobenzene | 115 | | | 67.0-138 | | 04/29/2021 02:06 | WG1660921 |
| (S) 1,2-Dichloroethane-d4 | 105 | | | 70.0-130 | | 04/29/2021 02:06 | WG1660921 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.57 | B J | 1.64 | 4.08 | 1 | 04/29/2021 06:52 | WG1660554 |
| C28-C40 Oil Range | 3.92 | B J | 0.280 | 4.08 | 1 | 04/29/2021 06:52 | WG1660554 |
| (S) o-Terphenyl | 35.3 | | | 18.0-148 | | 04/29/2021 06:52 | WG1660554 |

Total Solids by Method 2540 G-2011 [L1344804-01,02,03](#)

Method Blank (MB)

(MB) R3648113-1 04/28/21 15:47

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.000 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1343559-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1343559-01 04/28/21 15:47 • (DUP) R3648113-3 04/28/21 15:47

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 59.0 | 60.2 | 1 | 2.08 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3648113-2 04/28/21 15:47

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 99.9 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3648149-1 04/29/21 02:02

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | U | | 9.20 | 20.0 |

L1342521-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1342521-01 04/29/21 02:21 • (DUP) R3648149-3 04/29/21 02:31

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 7750 | 8050 | 100 | 3.82 | | 20 |

L1342525-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1342525-01 04/29/21 04:25 • (DUP) R3648149-4 04/29/21 04:35

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 12000 | 13100 | 100 | 8.90 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3648149-2 04/29/21 02:12

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200 | 199 | 99.6 | 90.0-110 | |

L1342525-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1342525-01 04/29/21 04:25 • (MS) R3648149-5 04/29/21 04:44 • (MSD) R3648149-6 04/29/21 04:54

| 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 % |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 538 | 12000 | 13600 | 12200 | 305 | 38.7 | 100 | 80.0-120 | V | V | 11.1 | 20 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

[L1344804-01,02,03](#)

Method Blank (MB)

(MB) R3648296-2 04/29/21 13:12

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 96.4 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3648296-1 04/29/21 12:28

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.34 | 97.1 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 105 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3648020-2 04/28/21 22:08

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 107 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3648020-1 04/28/21 21:11

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.120 | 96.0 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.136 | 109 | 74.0-126 | |
| Toluene | 0.125 | 0.131 | 105 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.404 | 108 | 72.0-127 | |
| (S) Toluene-d8 | | | 106 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 103 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 107 | 70.0-130 | |

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 8015

L1344804-01,02,03

Method Blank (MB)

(MB) R3647997-1 04/29/21 03:23

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | 1.65 | U | 1.61 | 4.00 |
| C28-C40 Oil Range | 3.24 | U | 0.274 | 4.00 |
| (S) o-Terphenyl | 78.2 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3647997-2 04/29/21 03:36

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 41.3 | 82.6 | 50.0-150 | |
| (S) o-Terphenyl | | | 50.9 | 18.0-148 | |

L1343433-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1343433-04 04/29/21 04:28 • (MS) R3647997-3 04/29/21 04:41 • (MSD) R3647997-4 04/29/21 04:54

| 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 % |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 55.9 | U | 39.8 | 44.3 | 71.3 | 79.5 | 1 | 50.0-150 | | | 10.5 | 20 |
| (S) o-Terphenyl | | | | | 37.8 | 41.1 | | 18.0-148 | | | | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

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

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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Page : 1 of 1

Released to Imaging: 8/3/2021 8:43:52 AM

(Circle) HAND DELIVERED **FEDEX** UPS Tracking #: _____

A768
4.0 ± 0.5 = 4.0



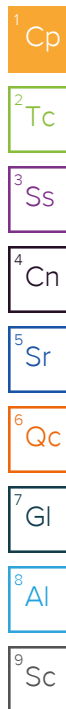
ANALYTICAL REPORT

May 07, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1347411
Samples Received: 05/04/2021
Project Number: 212C-MD-02471
Description: COP MCA 151 Flowline Release

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

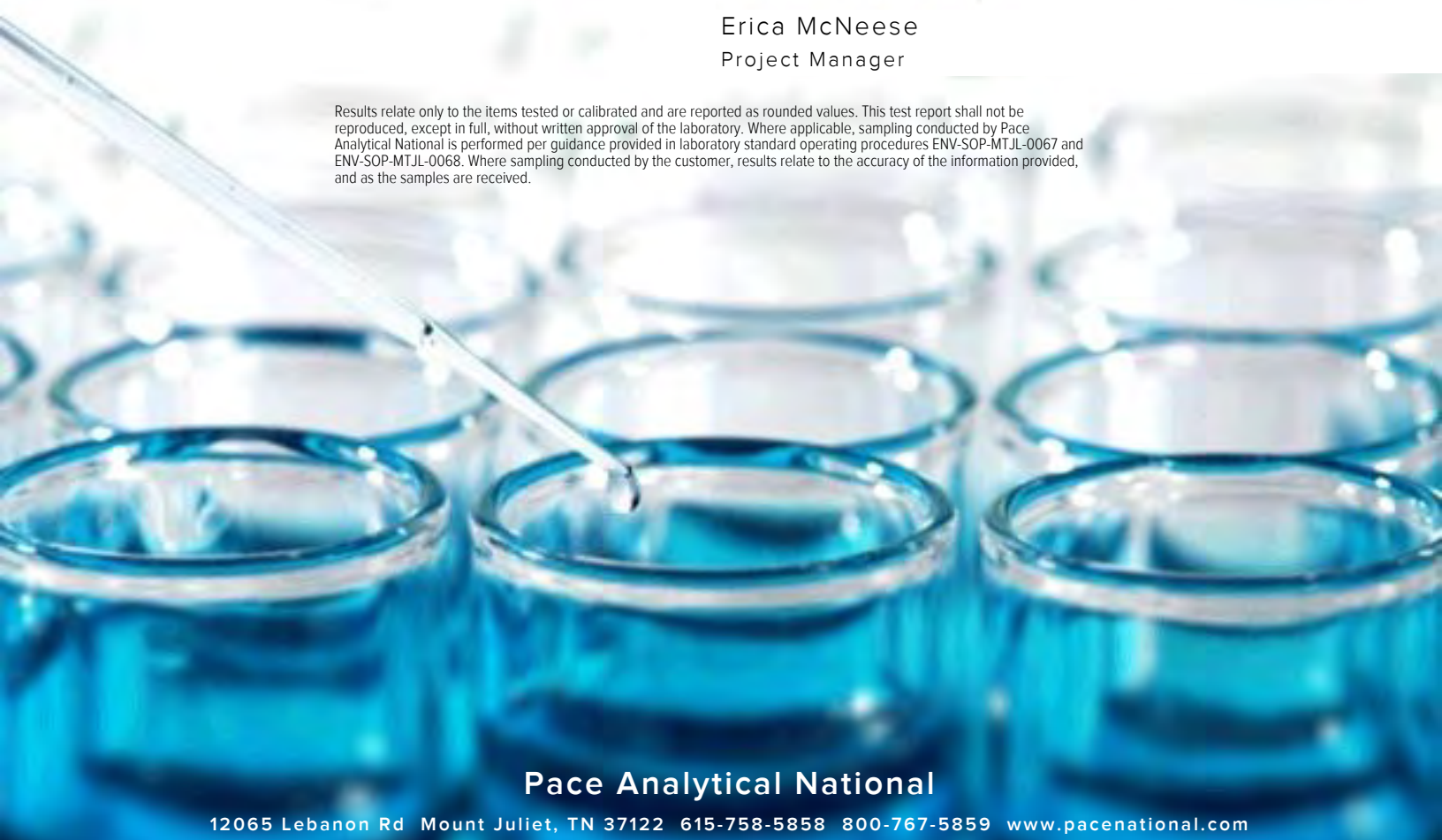


Entire Report Reviewed By:

A handwritten signature in blue ink that reads "Erica McNeese".

Erica McNeese
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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FS-16 (4') L1347411-01 Solid

Collected by
John Thurston

Collected date/time
05/03/21 09:10

Received date/time
05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664632 | 1 | 05/05/21 10:48 | 05/05/21 10:58 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/06/21 22:38 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 01:52 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 11:46 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 15:06 | JDG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

FS-17 (4') L1347411-02 Solid

Collected by
John Thurston

Collected date/time
05/03/21 09:15

Received date/time
05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664632 | 1 | 05/05/21 10:48 | 05/05/21 10:58 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/06/21 22:47 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 02:14 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 12:05 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 10:49 | JDG | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

FS-18 (4') L1347411-03 Solid

Collected by
John Thurston

Collected date/time
05/03/21 09:20

Received date/time
05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664632 | 1 | 05/05/21 10:48 | 05/05/21 10:58 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 100 | 05/06/21 17:14 | 05/06/21 23:06 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 02:37 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 12:24 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 14:52 | JDG | Mt. Juliet, TN |

9 Sc

FS-19 (3') L1347411-04 Solid

Collected by
John Thurston

Collected date/time
05/03/21 09:25

Received date/time
05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664632 | 1 | 05/05/21 10:48 | 05/05/21 10:58 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/06/21 23:16 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 02:59 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 12:43 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 11:03 | JDG | Mt. Juliet, TN |

NSW-1 L1347411-05 Solid

Collected by
John Thurston

Collected date/time
05/03/21 09:30

Received date/time
05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664632 | 1 | 05/05/21 10:48 | 05/05/21 10:58 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/06/21 23:25 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 03:21 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 13:02 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 11:16 | JDG | Mt. Juliet, TN |

WSW-17 L1347411-06 Solid

Collected by John Thurston
Collected date/time 05/03/21 09:35
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664632 | 1 | 05/05/21 10:48 | 05/05/21 10:58 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/06/21 23:35 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 03:43 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 13:21 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 11:30 | JDG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

WSW-18 L1347411-07 Solid

Collected by John Thurston
Collected date/time 05/03/21 09:40
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664632 | 1 | 05/05/21 10:48 | 05/05/21 10:58 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/06/21 23:45 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 04:05 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 13:40 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 11:43 | JDG | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

WSW-19 L1347411-08 Solid

Collected by John Thurston
Collected date/time 05/03/21 09:45
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664632 | 1 | 05/05/21 10:48 | 05/05/21 10:58 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 00:13 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 06:26 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 13:59 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 11:57 | JDG | Mt. Juliet, TN |

9 Sc

WSW-20 L1347411-09 Solid

Collected by John Thurston
Collected date/time 05/03/21 09:50
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 00:23 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1.01 | 05/04/21 18:55 | 05/07/21 06:48 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 14:18 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 12:37 | JDG | Mt. Juliet, TN |

WSW-21 L1347411-10 Solid

Collected by John Thurston
Collected date/time 05/03/21 09:55
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 00:32 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 08:21 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 14:37 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 12:50 | JDG | Mt. Juliet, TN |

WSW-22 L1347411-11 Solid

Collected by John Thurston
Collected date/time 05/03/21 10:30
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 00:42 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 08:54 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 14:56 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 15:19 | JDG | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

WSW-23 L1347411-12 Solid

Collected by John Thurston
Collected date/time 05/03/21 10:35
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 00:51 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 09:19 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 15:15 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 13:04 | JDG | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

ESW-17 L1347411-13 Solid

Collected by John Thurston
Collected date/time 05/03/21 10:40
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 01:29 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 09:41 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 15:34 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 13:18 | JDG | Mt. Juliet, TN |

9 Sc

ESW-18 L1347411-14 Solid

Collected by John Thurston
Collected date/time 05/03/21 10:45
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 01:39 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1.01 | 05/04/21 18:55 | 05/07/21 11:23 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1.01 | 05/04/21 18:55 | 05/05/21 15:53 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 13:31 | JDG | Mt. Juliet, TN |

ESW-19 L1347411-15 Solid

Collected by John Thurston
Collected date/time 05/03/21 10:50
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 02:07 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 11:46 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 16:12 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 13:45 | JDG | Mt. Juliet, TN |

ESW-20 L1347411-16 Solid

Collected by John Thurston
Collected date/time 05/03/21 10:55
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 02:17 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1.01 | 05/04/21 18:55 | 05/07/21 12:08 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 16:31 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 13:58 | JDG | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

ESW-21 L1347411-17 Solid

Collected by John Thurston
Collected date/time 05/03/21 11:00
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 02:26 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 12:30 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664578 | 1 | 05/04/21 18:55 | 05/05/21 16:50 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 14:12 | JDG | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

ESW-22 L1347411-18 Solid

Collected by John Thurston
Collected date/time 05/03/21 11:05
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664633 | 1 | 05/05/21 10:38 | 05/05/21 10:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 02:36 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 12:52 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664809 | 1 | 05/04/21 18:55 | 05/05/21 14:27 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 14:25 | JDG | Mt. Juliet, TN |

⁹ Sc

ESW-23 L1347411-19 Solid

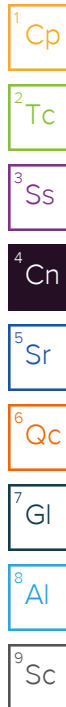
Collected by John Thurston
Collected date/time 05/03/21 11:10
Received date/time 05/04/21 12:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1664634 | 1 | 05/05/21 10:00 | 05/05/21 10:11 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1665381 | 1 | 05/06/21 17:14 | 05/07/21 02:59 | GB | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1664585 | 1 | 05/04/21 18:55 | 05/07/21 13:14 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1664809 | 1 | 05/04/21 18:55 | 05/05/21 14:46 | JAH | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1664369 | 1 | 05/05/21 19:13 | 05/06/21 14:39 | JDG | Mt. Juliet, TN |

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.



Erica McNeese
Project Manager



Collected date/time: 05/03/21 09:10

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.4 | | 1 | 05/05/2021 10:58 | WG1664632 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 11.9 | J | 9.95 | 21.6 | 1 | 05/06/2021 22:38 | WG1665381 |

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

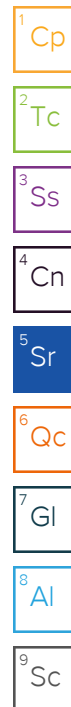
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0421 | J | 0.0235 | 0.108 | 1 | 05/07/2021 01:52 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 01:52 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000544 | 0.00116 | 1 | 05/05/2021 11:46 | WG1664578 |
| Toluene | U | | 0.00151 | 0.00582 | 1 | 05/05/2021 11:46 | WG1664578 |
| Ethylbenzene | 0.00166 | J | 0.000858 | 0.00291 | 1 | 05/05/2021 11:46 | WG1664578 |
| Total Xylenes | 0.00426 | J | 0.00102 | 0.00757 | 1 | 05/05/2021 11:46 | WG1664578 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 05/05/2021 11:46 | WG1664578 |
| (S) 4-Bromofluorobenzene | 94.6 | | | 67.0-138 | | 05/05/2021 11:46 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 91.8 | | | 70.0-130 | | 05/05/2021 11:46 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 12.1 | | 1.74 | 4.33 | 1 | 05/06/2021 15:06 | WG1664369 |
| C28-C40 Oil Range | 17.7 | | 0.296 | 4.33 | 1 | 05/06/2021 15:06 | WG1664369 |
| (S) o-Terphenyl | 64.0 | | | 18.0-148 | | 05/06/2021 15:06 | WG1664369 |



Collected date/time: 05/03/21 09:15

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 92.7 | | 1 | 05/05/2021 10:58 | WG1664632 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | U | | 9.92 | 21.6 | 1 | 05/06/2021 22:47 | WG1665381 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0234 | 0.108 | 1 | 05/07/2021 02:14 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 02:14 | WG1664585 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000540 | 0.00116 | 1 | 05/05/2021 12:05 | WG1664578 |
| Toluene | U | | 0.00150 | 0.00578 | 1 | 05/05/2021 12:05 | WG1664578 |
| Ethylbenzene | U | | 0.000852 | 0.00289 | 1 | 05/05/2021 12:05 | WG1664578 |
| Total Xylenes | U | | 0.00102 | 0.00752 | 1 | 05/05/2021 12:05 | WG1664578 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 05/05/2021 12:05 | WG1664578 |
| (S) 4-Bromofluorobenzene | 94.9 | | | 67.0-138 | | 05/05/2021 12:05 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 92.4 | | | 70.0-130 | | 05/05/2021 12:05 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.74 | 4.31 | 1 | 05/06/2021 10:49 | WG1664369 |
| C28-C40 Oil Range | 4.44 | | 0.295 | 4.31 | 1 | 05/06/2021 10:49 | WG1664369 |
| (S) o-Terphenyl | 57.4 | | | 18.0-148 | | 05/06/2021 10:49 | WG1664369 |



Collected date/time: 05/03/21 09:20

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 87.2 | | 1 | 05/05/2021 10:58 | WG1664632 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 4980 | | 1050 | 2290 | 100 | 05/06/2021 23:06 | WG1665381 |

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

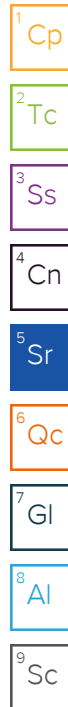
| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0342 | J | 0.0249 | 0.115 | 1 | 05/07/2021 02:37 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 02:37 | WG1664585 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000604 | 0.00129 | 1 | 05/05/2021 12:24 | WG1664578 |
| Toluene | 0.00336 | J | 0.00168 | 0.00647 | 1 | 05/05/2021 12:24 | WG1664578 |
| Ethylbenzene | 0.00349 | | 0.000953 | 0.00323 | 1 | 05/05/2021 12:24 | WG1664578 |
| Total Xylenes | 0.0135 | | 0.00114 | 0.00841 | 1 | 05/05/2021 12:24 | WG1664578 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 05/05/2021 12:24 | WG1664578 |
| (S) 4-Bromofluorobenzene | 93.2 | | | 67.0-138 | | 05/05/2021 12:24 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 89.4 | | | 70.0-130 | | 05/05/2021 12:24 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 5.84 | | 1.85 | 4.59 | 1 | 05/06/2021 14:52 | WG1664369 |
| C28-C40 Oil Range | 6.99 | | 0.314 | 4.59 | 1 | 05/06/2021 14:52 | WG1664369 |
| (S) o-Terphenyl | 54.3 | | | 18.0-148 | | 05/06/2021 14:52 | WG1664369 |



Collected date/time: 05/03/21 09:25

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.7 | | 1 | 05/05/2021 10:58 | WG1664632 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.61 | 20.9 | 1 | 05/06/2021 23:16 | WG1665381 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0227 | 0.104 | 1 | 05/07/2021 02:59 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 115 | | | 77.0-120 | | 05/07/2021 02:59 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000509 | 0.00109 | 1 | 05/05/2021 12:43 | WG1664578 |
| Toluene | U | | 0.00142 | 0.00545 | 1 | 05/05/2021 12:43 | WG1664578 |
| Ethylbenzene | U | | 0.000803 | 0.00272 | 1 | 05/05/2021 12:43 | WG1664578 |
| Total Xylenes | U | | 0.000959 | 0.00708 | 1 | 05/05/2021 12:43 | WG1664578 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 05/05/2021 12:43 | WG1664578 |
| (S) 4-Bromofluorobenzene | 94.4 | | | 67.0-138 | | 05/05/2021 12:43 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 91.3 | | | 70.0-130 | | 05/05/2021 12:43 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.68 | 4.18 | 1 | 05/06/2021 11:03 | WG1664369 |
| C28-C40 Oil Range | 4.80 | | 0.286 | 4.18 | 1 | 05/06/2021 11:03 | WG1664369 |
| (S) o-Terphenyl | 67.3 | | | 18.0-148 | | 05/06/2021 11:03 | WG1664369 |

Collected date/time: 05/03/21 09:30

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.8 | | 1 | 05/05/2021 10:58 | WG1664632 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.50 | 20.7 | 1 | 05/06/2021 23:25 | WG1665381 |

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

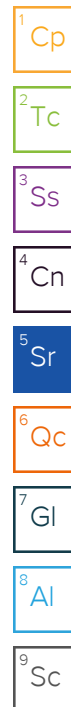
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0224 | 0.103 | 1 | 05/07/2021 03:21 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 03:21 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000498 | 0.00107 | 1 | 05/05/2021 13:02 | WG1664578 |
| Toluene | U | | 0.00139 | 0.00533 | 1 | 05/05/2021 13:02 | WG1664578 |
| Ethylbenzene | U | | 0.000786 | 0.00267 | 1 | 05/05/2021 13:02 | WG1664578 |
| Total Xylenes | U | | 0.000938 | 0.00693 | 1 | 05/05/2021 13:02 | WG1664578 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 05/05/2021 13:02 | WG1664578 |
| (S) 4-Bromofluorobenzene | 95.3 | | | 67.0-138 | | 05/05/2021 13:02 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 92.1 | | | 70.0-130 | | 05/05/2021 13:02 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.66 | 4.13 | 1 | 05/06/2021 11:16 | WG1664369 |
| C28-C40 Oil Range | 4.43 | | 0.283 | 4.13 | 1 | 05/06/2021 11:16 | WG1664369 |
| (S) o-Terphenyl | 63.8 | | | 18.0-148 | | 05/06/2021 11:16 | WG1664369 |



Collected date/time: 05/03/21 09:35

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.3 | | 1 | 05/05/2021 10:58 | WG1664632 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 367 | | 9.86 | 21.4 | 1 | 05/06/2021 23:35 | WG1665381 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0233 | 0.107 | 1 | 05/07/2021 03:43 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 03:43 | WG1664585 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000534 | 0.00114 | 1 | 05/05/2021 13:21 | WG1664578 |
| Toluene | U | | 0.00149 | 0.00572 | 1 | 05/05/2021 13:21 | WG1664578 |
| Ethylbenzene | U | | 0.000842 | 0.00286 | 1 | 05/05/2021 13:21 | WG1664578 |
| Total Xylenes | U | | 0.00101 | 0.00743 | 1 | 05/05/2021 13:21 | WG1664578 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 05/05/2021 13:21 | WG1664578 |
| (S) 4-Bromofluorobenzene | 94.7 | | | 67.0-138 | | 05/05/2021 13:21 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 93.3 | | | 70.0-130 | | 05/05/2021 13:21 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.73 | 4.29 | 1 | 05/06/2021 11:30 | WG1664369 |
| C28-C40 Oil Range | 2.38 | J | 0.294 | 4.29 | 1 | 05/06/2021 11:30 | WG1664369 |
| (S) o-Terphenyl | 53.4 | | | 18.0-148 | | 05/06/2021 11:30 | WG1664369 |

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

Collected date/time: 05/03/21 09:40

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.7 | | 1 | 05/05/2021 10:58 | WG1664632 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 139 | | 9.71 | 21.1 | 1 | 05/06/2021 23:45 | WG1665381 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0229 | 0.106 | 1 | 05/07/2021 04:05 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 04:05 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000519 | 0.00111 | 1 | 05/05/2021 13:40 | WG1664578 |
| Toluene | U | | 0.00144 | 0.00556 | 1 | 05/05/2021 13:40 | WG1664578 |
| Ethylbenzene | U | | 0.000819 | 0.00278 | 1 | 05/05/2021 13:40 | WG1664578 |
| Total Xylenes | U | | 0.000978 | 0.00722 | 1 | 05/05/2021 13:40 | WG1664578 |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 05/05/2021 13:40 | WG1664578 |
| (S) 4-Bromofluorobenzene | 93.8 | | | 67.0-138 | | 05/05/2021 13:40 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 94.2 | | | 70.0-130 | | 05/05/2021 13:40 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.70 | 4.22 | 1 | 05/06/2021 11:43 | WG1664369 |
| C28-C40 Oil Range | 2.45 | J | 0.289 | 4.22 | 1 | 05/06/2021 11:43 | WG1664369 |
| (S) o-Terphenyl | 50.3 | | | 18.0-148 | | 05/06/2021 11:43 | WG1664369 |

Collected date/time: 05/03/21 09:45

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.2 | | 1 | 05/05/2021 10:58 | WG1664632 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 489 | | 9.56 | 20.8 | 1 | 05/07/2021 00:13 | WG1665381 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0237 | J | 0.0226 | 0.104 | 1 | 05/07/2021 06:26 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 06:26 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000504 | 0.00108 | 1 | 05/05/2021 13:59 | WG1664578 |
| Toluene | U | | 0.00140 | 0.00539 | 1 | 05/05/2021 13:59 | WG1664578 |
| Ethylbenzene | 0.00205 | J | 0.000795 | 0.00270 | 1 | 05/05/2021 13:59 | WG1664578 |
| Total Xylenes | 0.00681 | J | 0.000949 | 0.00701 | 1 | 05/05/2021 13:59 | WG1664578 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 05/05/2021 13:59 | WG1664578 |
| (S) 4-Bromofluorobenzene | 94.5 | | | 67.0-138 | | 05/05/2021 13:59 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 93.2 | | | 70.0-130 | | 05/05/2021 13:59 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.74 | J | 1.67 | 4.16 | 1 | 05/06/2021 11:57 | WG1664369 |
| C28-C40 Oil Range | 2.70 | J | 0.285 | 4.16 | 1 | 05/06/2021 11:57 | WG1664369 |
| (S) o-Terphenyl | 50.8 | | | 18.0-148 | | 05/06/2021 11:57 | WG1664369 |

WSW-20
Collected date/time: 05/03/21 09:50

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.9 | | 1 | 05/05/2021 10:47 | WG1664633 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 11.1 | J | 9.69 | 21.1 | 1 | 05/07/2021 00:23 | WG1665381 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0231 | 0.106 | 1.01 | 05/07/2021 06:48 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 06:48 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000517 | 0.00111 | 1 | 05/05/2021 14:18 | WG1664578 |
| Toluene | U | | 0.00144 | 0.00554 | 1 | 05/05/2021 14:18 | WG1664578 |
| Ethylbenzene | U | | 0.000816 | 0.00277 | 1 | 05/05/2021 14:18 | WG1664578 |
| Total Xylenes | 0.00421 | J | 0.000974 | 0.00720 | 1 | 05/05/2021 14:18 | WG1664578 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 05/05/2021 14:18 | WG1664578 |
| (S) 4-Bromofluorobenzene | 95.8 | | | 67.0-138 | | 05/05/2021 14:18 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 92.5 | | | 70.0-130 | | 05/05/2021 14:18 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.70 | 4.21 | 1 | 05/06/2021 12:37 | WG1664369 |
| C28-C40 Oil Range | 2.84 | J | 0.289 | 4.21 | 1 | 05/06/2021 12:37 | WG1664369 |
| (S) o-Terphenyl | 54.1 | | | 18.0-148 | | 05/06/2021 12:37 | WG1664369 |

Collected date/time: 05/03/21 09:55

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 94.2 | | 1 | 05/05/2021 10:47 | WG1664633 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 347 | | 9.77 | 21.2 | 1 | 05/07/2021 00:32 | WG1665381 |

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

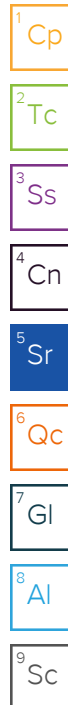
| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0712 | <u>J</u> | 0.0230 | 0.106 | 1 | 05/07/2021 08:21 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 112 | | | 77.0-120 | | 05/07/2021 08:21 | WG1664585 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000525 | 0.00112 | 1 | 05/05/2021 14:37 | WG1664578 |
| Toluene | U | | 0.00146 | 0.00562 | 1 | 05/05/2021 14:37 | WG1664578 |
| Ethylbenzene | U | | 0.000828 | 0.00281 | 1 | 05/05/2021 14:37 | WG1664578 |
| Total Xylenes | 0.00279 | <u>J</u> | 0.000988 | 0.00730 | 1 | 05/05/2021 14:37 | WG1664578 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 05/05/2021 14:37 | WG1664578 |
| (S) 4-Bromofluorobenzene | 96.8 | | | 67.0-138 | | 05/05/2021 14:37 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 95.0 | | | 70.0-130 | | 05/05/2021 14:37 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 1.91 | <u>J</u> | 1.71 | 4.25 | 1 | 05/06/2021 12:50 | WG1664369 |
| C28-C40 Oil Range | 4.60 | | 0.291 | 4.25 | 1 | 05/06/2021 12:50 | WG1664369 |
| (S) o-Terphenyl | 59.7 | | | 18.0-148 | | 05/06/2021 12:50 | WG1664369 |



Collected date/time: 05/03/21 10:30

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 99.1 | | 1 | 05/05/2021 10:47 | WG1664633 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | U | | 9.29 | 20.2 | 1 | 05/07/2021 00:42 | WG1665381 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0219 | 0.101 | 1 | 05/07/2021 08:54 | WG1664585 |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 08:54 | WG1664585 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000476 | 0.00102 | 1 | 05/05/2021 14:56 | WG1664578 |
| Toluene | U | | 0.00132 | 0.00509 | 1 | 05/05/2021 14:56 | WG1664578 |
| Ethylbenzene | U | | 0.000751 | 0.00255 | 1 | 05/05/2021 14:56 | WG1664578 |
| Total Xylenes | U | | 0.000896 | 0.00662 | 1 | 05/05/2021 14:56 | WG1664578 |
| (S) <i>Toluene-d8</i> | 106 | | | 75.0-131 | | 05/05/2021 14:56 | WG1664578 |
| (S) <i>4-Bromofluorobenzene</i> | 96.1 | | | 67.0-138 | | 05/05/2021 14:56 | WG1664578 |
| (S) <i>1,2-Dichloroethane-d4</i> | 93.2 | | | 70.0-130 | | 05/05/2021 14:56 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|-------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.63 | 4.04 | 1 | 05/06/2021 15:19 | WG1664369 |
| C28-C40 Oil Range | 7.30 | | 0.277 | 4.04 | 1 | 05/06/2021 15:19 | WG1664369 |
| (S) <i>o</i> -Terphenyl | 59.2 | | | 18.0-148 | | 05/06/2021 15:19 | WG1664369 |

Collected date/time: 05/03/21 10:35

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis | Batch |
|--------------|--------|-----------|----------|------------------|---------------------------|
| | % | | | date / time | |
| Total Solids | 98.1 | | 1 | 05/05/2021 10:47 | WG1664633 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | U | | 9.38 | 20.4 | 1 | 05/07/2021 00:51 | WG1665381 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1 | 05/07/2021 09:19 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 09:19 | WG1664585 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000486 | 0.00104 | 1 | 05/05/2021 15:15 | WG1664578 |
| Toluene | U | | 0.00135 | 0.00520 | 1 | 05/05/2021 15:15 | WG1664578 |
| Ethylbenzene | U | | 0.000766 | 0.00260 | 1 | 05/05/2021 15:15 | WG1664578 |
| Total Xylenes | U | | 0.000915 | 0.00676 | 1 | 05/05/2021 15:15 | WG1664578 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 05/05/2021 15:15 | WG1664578 |
| (S) 4-Bromofluorobenzene | 95.9 | | | 67.0-138 | | 05/05/2021 15:15 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 95.0 | | | 70.0-130 | | 05/05/2021 15:15 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-------------------|-----------|-----------|----------|------------------|---------------------------|
| | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.64 | 4.08 | 1 | 05/06/2021 13:04 | WG1664369 |
| C28-C40 Oil Range | 4.06 | J | 0.279 | 4.08 | 1 | 05/06/2021 13:04 | WG1664369 |
| (S) o-Terphenyl | 58.7 | | | 18.0-148 | | 05/06/2021 13:04 | WG1664369 |

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

Collected date/time: 05/03/21 10:40

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.9 | | 1 | 05/05/2021 10:47 | WG1664633 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 694 | | 9.59 | 20.9 | 1 | 05/07/2021 01:29 | WG1665381 |

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

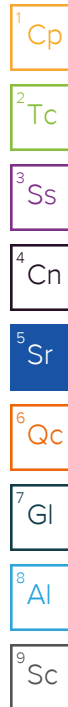
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0366 | J | 0.0226 | 0.104 | 1 | 05/07/2021 09:41 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 09:41 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000507 | 0.00109 | 1 | 05/05/2021 15:34 | WG1664578 |
| Toluene | U | | 0.00141 | 0.00543 | 1 | 05/05/2021 15:34 | WG1664578 |
| Ethylbenzene | U | | 0.000800 | 0.00271 | 1 | 05/05/2021 15:34 | WG1664578 |
| Total Xylenes | U | | 0.000955 | 0.00706 | 1 | 05/05/2021 15:34 | WG1664578 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 05/05/2021 15:34 | WG1664578 |
| (S) 4-Bromofluorobenzene | 95.9 | | | 67.0-138 | | 05/05/2021 15:34 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 94.8 | | | 70.0-130 | | 05/05/2021 15:34 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.68 | 4.17 | 1 | 05/06/2021 13:18 | WG1664369 |
| C28-C40 Oil Range | 3.47 | J | 0.286 | 4.17 | 1 | 05/06/2021 13:18 | WG1664369 |
| (S) o-Terphenyl | 62.4 | | | 18.0-148 | | 05/06/2021 13:18 | WG1664369 |



Collected date/time: 05/03/21 10:45

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.0 | | 1 | 05/05/2021 10:47 | WG1664633 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 27.2 | | 9.69 | 21.1 | 1 | 05/07/2021 01:39 | WG1665381 |

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

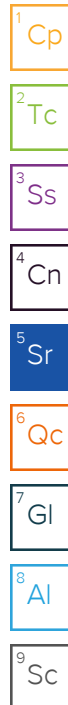
| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0450 | <u>J</u> | 0.0231 | 0.106 | 1.01 | 05/07/2021 11:23 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 11:23 | WG1664585 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000522 | 0.00112 | 1.01 | 05/05/2021 15:53 | WG1664578 |
| Toluene | U | | 0.00145 | 0.00559 | 1.01 | 05/05/2021 15:53 | WG1664578 |
| Ethylbenzene | U | | 0.000823 | 0.00280 | 1.01 | 05/05/2021 15:53 | WG1664578 |
| Total Xylenes | U | | 0.000983 | 0.00726 | 1.01 | 05/05/2021 15:53 | WG1664578 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 05/05/2021 15:53 | WG1664578 |
| (S) 4-Bromofluorobenzene | 94.6 | | | 67.0-138 | | 05/05/2021 15:53 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 95.1 | | | 70.0-130 | | 05/05/2021 15:53 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.70 | 4.21 | 1 | 05/06/2021 13:31 | WG1664369 |
| C28-C40 Oil Range | 4.59 | | 0.289 | 4.21 | 1 | 05/06/2021 13:31 | WG1664369 |
| (S) o-Terphenyl | 68.1 | | | 18.0-148 | | 05/06/2021 13:31 | WG1664369 |



Collected date/time: 05/03/21 10:50

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.8 | | 1 | 05/05/2021 10:47 | WG1664633 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.70 | 21.1 | 1 | 05/07/2021 02:07 | WG1665381 |

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

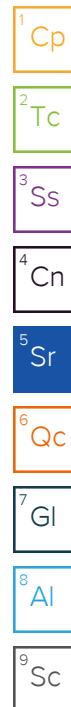
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0229 | 0.105 | 1 | 05/07/2021 11:46 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 115 | | | 77.0-120 | | 05/07/2021 11:46 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000518 | 0.00111 | 1 | 05/05/2021 16:12 | WG1664578 |
| Toluene | U | | 0.00144 | 0.00554 | 1 | 05/05/2021 16:12 | WG1664578 |
| Ethylbenzene | U | | 0.000817 | 0.00277 | 1 | 05/05/2021 16:12 | WG1664578 |
| Total Xylenes | U | | 0.000976 | 0.00721 | 1 | 05/05/2021 16:12 | WG1664578 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 05/05/2021 16:12 | WG1664578 |
| (S) 4-Bromofluorobenzene | 95.0 | | | 67.0-138 | | 05/05/2021 16:12 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 95.6 | | | 70.0-130 | | 05/05/2021 16:12 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.70 | 4.22 | 1 | 05/06/2021 13:45 | WG1664369 |
| C28-C40 Oil Range | 3.11 | J | 0.289 | 4.22 | 1 | 05/06/2021 13:45 | WG1664369 |
| (S) o-Terphenyl | 55.9 | | | 18.0-148 | | 05/06/2021 13:45 | WG1664369 |



Collected date/time: 05/03/21 10:55

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.5 | | 1 | 05/05/2021 10:47 | WG1664633 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 12.6 | J | 9.64 | 20.9 | 1 | 05/07/2021 02:17 | WG1665381 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0229 | 0.106 | 1.01 | 05/07/2021 12:08 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 12:08 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000511 | 0.00109 | 1 | 05/05/2021 16:31 | WG1664578 |
| Toluene | U | | 0.00142 | 0.00547 | 1 | 05/05/2021 16:31 | WG1664578 |
| Ethylbenzene | U | | 0.000807 | 0.00274 | 1 | 05/05/2021 16:31 | WG1664578 |
| Total Xylenes | U | | 0.000963 | 0.00712 | 1 | 05/05/2021 16:31 | WG1664578 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 05/05/2021 16:31 | WG1664578 |
| (S) 4-Bromofluorobenzene | 94.6 | | | 67.0-138 | | 05/05/2021 16:31 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 94.8 | | | 70.0-130 | | 05/05/2021 16:31 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.69 | 4.19 | 1 | 05/06/2021 13:58 | WG1664369 |
| C28-C40 Oil Range | 4.37 | | 0.287 | 4.19 | 1 | 05/06/2021 13:58 | WG1664369 |
| (S) o-Terphenyl | 62.9 | | | 18.0-148 | | 05/06/2021 13:58 | WG1664369 |

Collected date/time: 05/03/21 11:00

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.6 | | 1 | 05/05/2021 10:47 | WG1664633 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 10.0 | J | 9.52 | 20.7 | 1 | 05/07/2021 02:26 | WG1665381 |

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

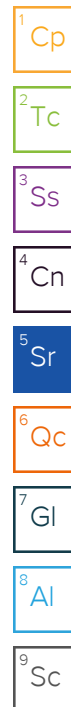
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0225 | 0.104 | 1 | 05/07/2021 12:30 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 12:30 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000500 | 0.00107 | 1 | 05/05/2021 16:50 | WG1664578 |
| Toluene | U | | 0.00139 | 0.00535 | 1 | 05/05/2021 16:50 | WG1664578 |
| Ethylbenzene | U | | 0.000789 | 0.00268 | 1 | 05/05/2021 16:50 | WG1664578 |
| Total Xylenes | U | | 0.000942 | 0.00696 | 1 | 05/05/2021 16:50 | WG1664578 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 05/05/2021 16:50 | WG1664578 |
| (S) 4-Bromofluorobenzene | 93.8 | | | 67.0-138 | | 05/05/2021 16:50 | WG1664578 |
| (S) 1,2-Dichloroethane-d4 | 96.1 | | | 70.0-130 | | 05/05/2021 16:50 | WG1664578 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.67 | 4.14 | 1 | 05/06/2021 14:12 | WG1664369 |
| C28-C40 Oil Range | 3.60 | J | 0.284 | 4.14 | 1 | 05/06/2021 14:12 | WG1664369 |
| (S) o-Terphenyl | 54.0 | | | 18.0-148 | | 05/06/2021 14:12 | WG1664369 |



Collected date/time: 05/03/21 11:05

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.2 | | 1 | 05/05/2021 10:47 | WG1664633 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 12.1 | J | 9.67 | 21.0 | 1 | 05/07/2021 02:36 | WG1665381 |

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

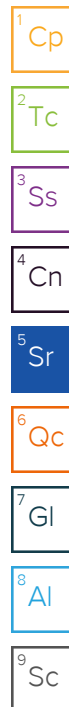
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0228 | 0.105 | 1 | 05/07/2021 12:52 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 12:52 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000514 | 0.00110 | 1 | 05/05/2021 14:27 | WG1664809 |
| Toluene | U | | 0.00143 | 0.00551 | 1 | 05/05/2021 14:27 | WG1664809 |
| Ethylbenzene | 0.00154 | J | 0.000812 | 0.00275 | 1 | 05/05/2021 14:27 | WG1664809 |
| Total Xylenes | U | | 0.000969 | 0.00716 | 1 | 05/05/2021 14:27 | WG1664809 |
| (S) Toluene-d8 | 116 | | | 75.0-131 | | 05/05/2021 14:27 | WG1664809 |
| (S) 4-Bromofluorobenzene | 107 | | | 67.0-138 | | 05/05/2021 14:27 | WG1664809 |
| (S) 1,2-Dichloroethane-d4 | 89.6 | | | 70.0-130 | | 05/05/2021 14:27 | WG1664809 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.69 | 4.20 | 1 | 05/06/2021 14:25 | WG1664369 |
| C28-C40 Oil Range | 2.78 | J | 0.288 | 4.20 | 1 | 05/06/2021 14:25 | WG1664369 |
| (S) o-Terphenyl | 49.8 | | | 18.0-148 | | 05/06/2021 14:25 | WG1664369 |



Collected date/time: 05/03/21 11:10

L1347411

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.4 | | 1 | 05/05/2021 10:11 | WG1664634 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 10.2 | J | 9.65 | 21.0 | 1 | 05/07/2021 02:59 | WG1665381 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0228 | 0.105 | 1 | 05/07/2021 13:14 | WG1664585 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/07/2021 13:14 | WG1664585 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000512 | 0.00110 | 1 | 05/05/2021 14:46 | WG1664809 |
| Toluene | U | | 0.00143 | 0.00548 | 1 | 05/05/2021 14:46 | WG1664809 |
| Ethylbenzene | U | | 0.000808 | 0.00274 | 1 | 05/05/2021 14:46 | WG1664809 |
| Total Xylenes | U | | 0.000965 | 0.00713 | 1 | 05/05/2021 14:46 | WG1664809 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 05/05/2021 14:46 | WG1664809 |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 | | 05/05/2021 14:46 | WG1664809 |
| (S) 1,2-Dichloroethane-d4 | 88.1 | | | 70.0-130 | | 05/05/2021 14:46 | WG1664809 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.69 | 4.19 | 1 | 05/06/2021 14:39 | WG1664369 |
| C28-C40 Oil Range | 8.66 | | 0.287 | 4.19 | 1 | 05/06/2021 14:39 | WG1664369 |
| (S) o-Terphenyl | 42.0 | | | 18.0-148 | | 05/06/2021 14:39 | WG1664369 |

Total Solids by Method 2540 G-2011 [L1347411-01,02,03,04,05,06,07,08](#)

Method Blank (MB)

(MB) R3650956-1 05/05/21 10:58

| Analyte | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| | % | | % | % |
| Total Solids | 0.000 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1347392-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1347392-02 05/05/21 10:58 • (DUP) R3650956-3 05/05/21 10:58

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| | % | % | | % | | % |
| Total Solids | 81.4 | 80.9 | 1 | 0.535 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3650956-2 05/05/21 10:58

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Total Solids by Method 2540 G-2011 [L1347411-09,10,11,12,13,14,15,16,17,18](#)

Method Blank (MB)

(MB) R3650954-1 05/05/21 10:47

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

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1347411-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1347411-14 05/05/21 10:47 • (DUP) R3650954-3 05/05/21 10:47

| Analyte | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| | % | % | | % | | % |
| Total Solids | 95.0 | 95.3 | 1 | 0.318 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3650954-2 05/05/21 10:47

| Analyte | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 99.9 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

W01064634
Total Solids by Method 2540 G-2011 [L1347411-19](#)

Method Blank (MB)

(MB) R3650941-1 05/05/21 10:11

| | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1345875-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1345875-02 05/05/21 10:11 • (DUP) R3650941-3 05/05/21 10:11

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 79.4 | 79.7 | 1 | 0.379 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3650941-2 05/05/21 10:11

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Wet Chemistry by Method 300.0

L1347411-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19

Method Blank (MB)

(MB) R3651591-1 05/06/21 21:53

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | U | | 9.20 | 20.0 |

L1347411-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1347411-02 05/06/21 22:47 • (DUP) R3651591-3 05/06/21 22:57

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | U | U | 1 | 0.000 | | 20 |

L1347411-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1347411-12 05/07/21 00:51 • (DUP) R3651591-4 05/07/21 01:01

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3651591-2 05/06/21 22:03

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200 | 193 | 96.7 | 90.0-110 | |

L1347411-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1347411-12 05/07/21 00:51 • (MS) R3651591-5 05/07/21 01:10 • (MSD) R3651591-6 05/07/21 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 % |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 510 | U | 468 | 462 | 91.7 | 90.6 | 1 | 80.0-120 | | | 1.21 | 20 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3651712-2 05/06/21 23:52

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 118 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3651712-1 05/06/21 23:02

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 4.59 | 83.5 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 104 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3651041-2 05/05/21 08:41

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 107 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 94.1 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 92.5 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3651041-1 05/05/21 07:44

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.118 | 94.4 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.117 | 93.6 | 74.0-126 | |
| Toluene | 0.125 | 0.115 | 92.0 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.338 | 90.1 | 72.0-127 | |
| (S) Toluene-d8 | | | 104 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 96.0 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 96.6 | 70.0-130 | |

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

L1347411-18,19

Method Blank (MB)

(MB) R3651121-2 05/05/21 12:24

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 108 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 102 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 88.9 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3651121-1 05/05/21 11:28

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.119 | 95.2 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.112 | 89.6 | 74.0-126 | |
| Toluene | 0.125 | 0.128 | 102 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.336 | 89.6 | 72.0-127 | |
| (S) Toluene-d8 | | | 109 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 95.7 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 93.8 | 70.0-130 | |

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 8015

[L1347411-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19](#)

Method Blank (MB)

(MB) R3651297-1 05/06/21 10:09

| 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-C40 Oil Range | U | | 0.274 | 4.00 |
| (S) o-Terphenyl | 53.2 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3651297-2 05/06/21 10:22

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 27.7 | 55.4 | 50.0-150 | |
| (S) o-Terphenyl | | | 65.6 | 18.0-148 | |

L1347411-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1347411-08 05/06/21 11:57 • (MS) R3651297-3 05/06/21 12:10 • (MSD) R3651297-4 05/06/21 12:24

| 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 % |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 50.8 | 1.74 | 32.7 | 34.0 | 61.0 | 63.3 | 1 | 50.0-150 | | | 3.74 | 20 |
| (S) o-Terphenyl | | | | | 54.8 | 56.9 | | 18.0-148 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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.

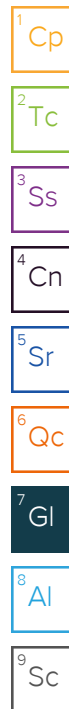
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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



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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc



Tetra Tech, Inc.

901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

| | | | |
|---|--|---------------------------|--|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | MCA 151 | Contact Info: | Email: christian.llull@tetrattech.com Phone: (512) 338-1667 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | 212C-MD-02471 |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | John Thurston |
| Comments: | COPTETRA Acctnum | | |

ANALYSIS REQUEST
(Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX 8260B / 624 | TPH TX1005 (Ext to C: CRO - DI) | TPH 8015M (GRO - DI) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C / 625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry | Anion/Cation Balance | TPH 8015R | HOLD | |
|-----------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|------------------|---------------------------------|----------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|------------------------------|------------------|------|----------------|----------------|----------------------|-------------------------|----------------------|-----------|------|--|
| | | YEAR: 2021 | | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 01 | FS-16 (4') | 5/3/2021 | 9:10 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |
| 02 | FS-17 (4') | 5/3/2021 | 9:15 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |
| 03 | FS-18 (4') | 5/3/2021 | 9:20 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |
| 04 | FS-19 (3') | 5/3/2021 | 9:25 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |
| 05 | NSW-1 | 5/3/2021 | 9:30 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |
| 06 | WSW-17 | 5/3/2021 | 9:35 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |
| 07 | WSW-18 | 5/3/2021 | 9:40 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |
| 08 | WSW-19 | 5/3/2021 | 9:45 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |
| 09 | WSW-20 | 5/3/2021 | 9:50 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |
| 10 | WSW-21 | 5/3/2021 | 9:55 | X | | | X | | | 1 | N | X | X | | | | | | | | | | | | | | X | | | | | | |

| | | | | | |
|------------------|-----------|--------|--------------|--------|-------|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Andrew Garcia | 03 May 21 | 2:30pm | | | |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | Oliver Tam | 5/4/21 | 12:00 |

| | |
|---|---|
| LAB USE ONLY Sample Temperature | REMARKS: |
| | <input type="checkbox"/> Standard |
| | <input checked="" type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr. |
| | <input type="checkbox"/> Rush Charges Authorized |
| | <input type="checkbox"/> Special Report Limits or TRRP Report |

ORIGINAL COPY
Fedex: 8086 3753 6360

(Circle) HAND DELIVERED **FEDEX** UPS Tracking #: _____

Analysis Request of Chain of Custody Record

**Tetra Tech, Inc.**901 West Wall Street, Suite 100
Midland, Texas 79701
Tel (432) 682-4559
Fax (432) 682-3946

Client Name: Conoco Phillips

Site Manager: Christian Llull

Project Name: MCA 151

Contact Info: Email: christian.llull@tetrattech.com
Phone: (512) 338-1667Project Location: Lea County, New Mexico
(county, state)

Project #: 212C-MD-02471

Invoice to: Accounts Payable
901 West Wall Street, Suite 100 Midland, Texas 79701

Receiving Laboratory: Pace Analytical

Sampler Signature: John Thurston

Comments: COPTETRA Acctnum

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------------|------------|------|--------|------|-----|---------------------|-----|------|------------|--------------|----------------|--|-------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|---|----------------------|-----------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| | | YEAR: 2021 | | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | BTEX 8021B | | | BTEX 8260B / 624 | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| L1347411 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Relinquished by: Andrew Garcia Date: 03 May 21 Time: 2:30 pm

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

LAB USE ONLY

Sample Temperature

REMARKS:

☐ Standard☒ RUSH: Same Day 24 hr. 48 hr. 72 hr.☐ Rush Charges Authorized☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Pace Analytical National Center for Testing & Innovation
Cooler Receipt Form

| | | |
|---------------------------------|----------------------|------------------|
| Client: | CORTETMA | 61347411 |
| Cooler Received/Opened On: | 5 / 4 / 21 | Temperature: 1-2 |
| Received By: | Olivia Turner | |
| Signature: | <i>Olivia Turner</i> | |
| | | |
| Receipt Check List | NP | Yes No |
| COC Seal Present / Intact? | / | / |
| COC Signed / Accurate? | | / |
| Bottles arrive intact? | | / |
| Correct bottles used? | | / |
| Sufficient volume sent? | | / |
| If Applicable | | |
| VOA Zero headspace? | | |
| Preservation Correct / Checked? | | |

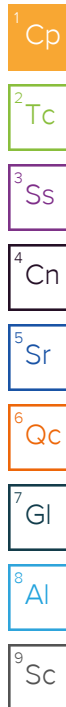


ANALYTICAL REPORT

May 12, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1349460
Samples Received: 05/07/2021
Project Number: 212C-MD-02471
Description: MCA 151
Site: LEA COUNTY, NEW MEXICO
Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

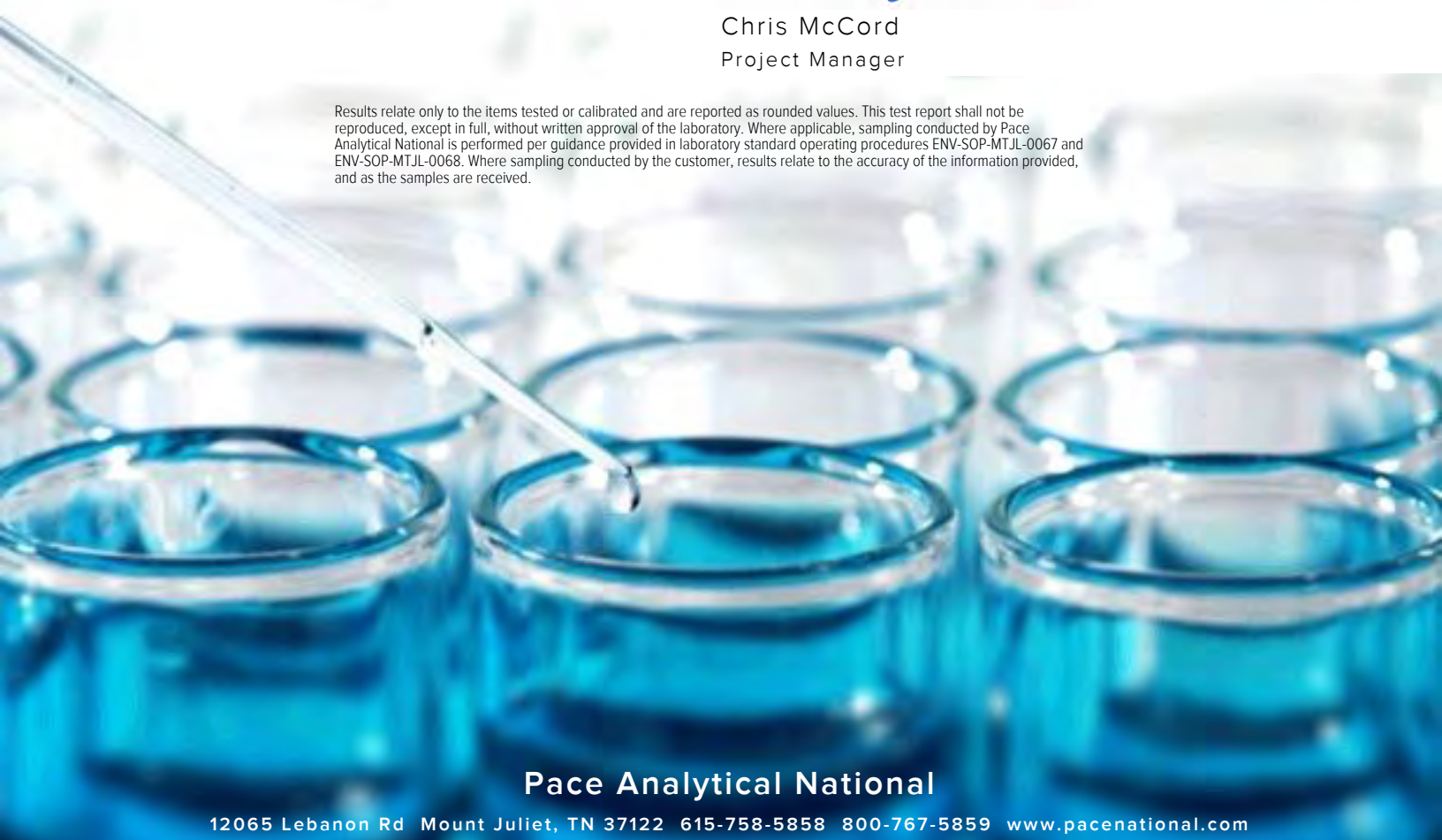


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
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 Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

ESW-24 L1349460-01 Solid

Collected by
John Thurston

Collected date/time
05/05/21 10:30

Received date/time
05/07/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667267 | 1 | 05/10/21 10:58 | 05/10/21 11:05 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 1 | 05/09/21 16:01 | 05/10/21 01:56 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1666980 | 1 | 05/07/21 19:55 | 05/09/21 18:33 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/08/21 23:31 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 14:16 | TJD | Mt. Juliet, TN |

¹ Cp² Tc³ Ss⁴ Cn

WSW-24 L1349460-02 Solid

Collected by
John Thurston

Collected date/time
05/05/21 10:35

Received date/time
05/07/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667267 | 1 | 05/10/21 10:58 | 05/10/21 11:05 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 1 | 05/09/21 16:01 | 05/10/21 02:06 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1666980 | 1 | 05/07/21 19:55 | 05/09/21 19:21 | ACG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/08/21 23:49 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 16:52 | TJD | Mt. Juliet, TN |

⁵ Sr⁶ Qc⁷ Gl⁸ Al

FS-20 (2') L1349460-03 Solid

Collected by
John Thurston

Collected date/time
05/05/21 10:40

Received date/time
05/07/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667269 | 1 | 05/10/21 12:57 | 05/10/21 13:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 10 | 05/09/21 16:01 | 05/10/21 02:25 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1667371 | 1 | 05/07/21 19:55 | 05/10/21 08:07 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/09/21 00:08 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 14:42 | TJD | Mt. Juliet, TN |

⁹ Sc

FS-20 (4') L1349460-04 Solid

Collected by
John Thurston

Collected date/time
05/05/21 10:45

Received date/time
05/07/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667269 | 1 | 05/10/21 12:57 | 05/10/21 13:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 20 | 05/09/21 16:01 | 05/10/21 02:34 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1667371 | 1 | 05/07/21 19:55 | 05/10/21 08:29 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/09/21 00:27 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 15:08 | TJD | Mt. Juliet, TN |

FS-21 (2') L1349460-05 Solid

Collected by
John Thurston

Collected date/time
05/05/21 10:50

Received date/time
05/07/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667269 | 1 | 05/10/21 12:57 | 05/10/21 13:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 1 | 05/09/21 16:01 | 05/10/21 02:44 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1667371 | 1.01 | 05/07/21 19:55 | 05/10/21 08:51 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/09/21 00:47 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 16:39 | TJD | Mt. Juliet, TN |

FS-21 (4') L1349460-06 Solid

Collected by John Thurston
Collected date/time 05/05/21 10:55
Received date/time 05/07/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667269 | 1 | 05/10/21 12:57 | 05/10/21 13:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 5 | 05/09/21 16:01 | 05/10/21 02:53 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1667371 | 1 | 05/07/21 19:55 | 05/10/21 09:15 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/09/21 01:06 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 15:34 | TJD | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

FS-22 (2') L1349460-07 Solid

Collected by John Thurston
Collected date/time 05/05/21 11:00
Received date/time 05/07/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667269 | 1 | 05/10/21 12:57 | 05/10/21 13:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 20 | 05/09/21 16:01 | 05/10/21 03:03 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1667371 | 1 | 05/07/21 19:55 | 05/10/21 09:37 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/09/21 01:25 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 15:21 | TJD | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

FS-22 (4') L1349460-08 Solid

Collected by John Thurston
Collected date/time 05/05/21 11:05
Received date/time 05/07/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667269 | 1 | 05/10/21 12:57 | 05/10/21 13:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 1 | 05/09/21 16:01 | 05/10/21 03:13 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1667371 | 1 | 05/07/21 19:55 | 05/10/21 09:59 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/09/21 01:44 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 14:55 | TJD | Mt. Juliet, TN |

9 Sc

FS-23 (2') L1349460-09 Solid

Collected by John Thurston
Collected date/time 05/05/21 11:10
Received date/time 05/07/21 09:45

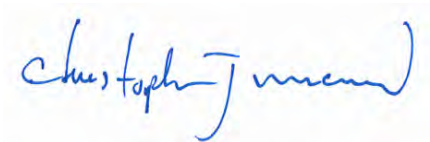
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667269 | 1 | 05/10/21 12:57 | 05/10/21 13:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 1 | 05/09/21 16:01 | 05/10/21 03:41 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1667217 | 1 | 05/07/21 19:55 | 05/09/21 21:14 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/09/21 02:03 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 15:47 | TJD | Mt. Juliet, TN |

FS-23 (4') L1349460-10 Solid

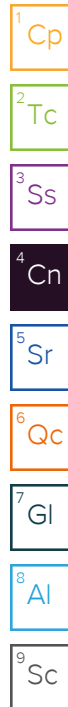
Collected by John Thurston
Collected date/time 05/05/21 11:15
Received date/time 05/07/21 09:45

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1667269 | 1 | 05/10/21 12:57 | 05/10/21 13:04 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1666535 | 1 | 05/09/21 16:01 | 05/10/21 03:51 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1667217 | 1 | 05/07/21 19:55 | 05/09/21 21:38 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1666952 | 1 | 05/07/21 19:55 | 05/09/21 02:22 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1667240 | 1 | 05/10/21 07:09 | 05/10/21 14:29 | TJD | Mt. Juliet, TN |

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 McCord
Project Manager



Collected date/time: 05/05/21 10:30

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.1 | | 1 | 05/10/2021 11:05 | WG1667267 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.48 | 20.6 | 1 | 05/10/2021 01:56 | WG1666535 |

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

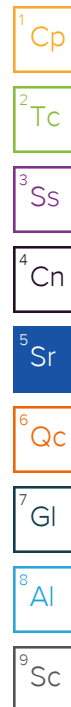
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0223 | 0.103 | 1 | 05/09/2021 18:33 | WG1666980 |
| (S) a,a,a-Trifluorotoluene(FID) | 117 | | | 77.0-120 | | 05/09/2021 18:33 | WG1666980 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000495 | 0.00106 | 1 | 05/08/2021 23:31 | WG1666952 |
| Toluene | U | | 0.00138 | 0.00530 | 1 | 05/08/2021 23:31 | WG1666952 |
| Ethylbenzene | U | | 0.000781 | 0.00265 | 1 | 05/08/2021 23:31 | WG1666952 |
| Total Xylenes | U | | 0.000933 | 0.00689 | 1 | 05/08/2021 23:31 | WG1666952 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 05/08/2021 23:31 | WG1666952 |
| (S) 4-Bromofluorobenzene | 96.5 | | | 67.0-138 | | 05/08/2021 23:31 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 97.0 | | | 70.0-130 | | 05/08/2021 23:31 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.66 | 4.12 | 1 | 05/10/2021 14:16 | WG1667240 |
| C28-C40 Oil Range | 0.509 | J | 0.282 | 4.12 | 1 | 05/10/2021 14:16 | WG1667240 |
| (S) o-Terphenyl | 65.3 | | | 18.0-148 | | 05/10/2021 14:16 | WG1667240 |



Collected date/time: 05/05/21 10:35

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.3 | | 1 | 05/10/2021 11:05 | WG1667267 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.27 | 20.1 | 1 | 05/10/2021 02:06 | WG1666535 |

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

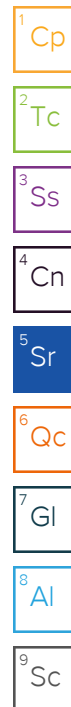
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0219 | 0.101 | 1 | 05/09/2021 19:21 | WG1666980 |
| (S) a,a,a-Trifluorotoluene(FID) | 118 | | | 77.0-120 | | 05/09/2021 19:21 | WG1666980 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000474 | 0.00101 | 1 | 05/08/2021 23:49 | WG1666952 |
| Toluene | U | | 0.00132 | 0.00507 | 1 | 05/08/2021 23:49 | WG1666952 |
| Ethylbenzene | U | | 0.000748 | 0.00254 | 1 | 05/08/2021 23:49 | WG1666952 |
| Total Xylenes | U | | 0.000893 | 0.00659 | 1 | 05/08/2021 23:49 | WG1666952 |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 05/08/2021 23:49 | WG1666952 |
| (S) 4-Bromofluorobenzene | 93.6 | | | 67.0-138 | | 05/08/2021 23:49 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 94.9 | | | 70.0-130 | | 05/08/2021 23:49 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.92 | J | 1.62 | 4.03 | 1 | 05/10/2021 16:52 | WG1667240 |
| C28-C40 Oil Range | 10.1 | | 0.276 | 4.03 | 1 | 05/10/2021 16:52 | WG1667240 |
| (S) o-Terphenyl | 70.6 | | | 18.0-148 | | 05/10/2021 16:52 | WG1667240 |



Collected date/time: 05/05/21 10:40

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 88.1 | | 1 | 05/10/2021 13:04 | WG1667269 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 5310 | | 104 | 227 | 10 | 05/10/2021 02:25 | WG1666535 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0442 | J | 0.0246 | 0.114 | 1 | 05/10/2021 08:07 | WG1667371 |
| (S) a,a,a-Trifluorotoluene(FID) | 113 | | | 77.0-120 | | 05/10/2021 08:07 | WG1667371 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000594 | 0.00127 | 1 | 05/09/2021 00:08 | WG1666952 |
| Toluene | U | | 0.00165 | 0.00636 | 1 | 05/09/2021 00:08 | WG1666952 |
| Ethylbenzene | U | | 0.000937 | 0.00318 | 1 | 05/09/2021 00:08 | WG1666952 |
| Total Xylenes | 0.00131 | J | 0.00112 | 0.00826 | 1 | 05/09/2021 00:08 | WG1666952 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 05/09/2021 00:08 | WG1666952 |
| (S) 4-Bromofluorobenzene | 95.9 | | | 67.0-138 | | 05/09/2021 00:08 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 87.9 | | | 70.0-130 | | 05/09/2021 00:08 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.83 | 4.54 | 1 | 05/10/2021 14:42 | WG1667240 |
| C28-C40 Oil Range | 2.69 | J | 0.311 | 4.54 | 1 | 05/10/2021 14:42 | WG1667240 |
| (S) o-Terphenyl | 66.7 | | | 18.0-148 | | 05/10/2021 14:42 | WG1667240 |

Collected date/time: 05/05/21 10:45

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 85.7 | | 1 | 05/10/2021 13:04 | WG1667269 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 7680 | | 215 | 467 | 20 | 05/10/2021 02:34 | WG1666535 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0253 | 0.117 | 1 | 05/10/2021 08:29 | WG1667371 |
| (S) a,a,a-Trifluorotoluene(FID) | 116 | | | 77.0-120 | | 05/10/2021 08:29 | WG1667371 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000623 | 0.00133 | 1 | 05/09/2021 00:27 | WG1666952 |
| Toluene | U | | 0.00173 | 0.00667 | 1 | 05/09/2021 00:27 | WG1666952 |
| Ethylbenzene | U | | 0.000983 | 0.00334 | 1 | 05/09/2021 00:27 | WG1666952 |
| Total Xylenes | U | | 0.00117 | 0.00867 | 1 | 05/09/2021 00:27 | WG1666952 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 05/09/2021 00:27 | WG1666952 |
| (S) 4-Bromofluorobenzene | 98.1 | | | 67.0-138 | | 05/09/2021 00:27 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 93.8 | | | 70.0-130 | | 05/09/2021 00:27 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.49 | J | 1.88 | 4.67 | 1 | 05/10/2021 15:08 | WG1667240 |
| C28-C40 Oil Range | 2.18 | J | 0.320 | 4.67 | 1 | 05/10/2021 15:08 | WG1667240 |
| (S) o-Terphenyl | 49.5 | | | 18.0-148 | | 05/10/2021 15:08 | WG1667240 |

Collected date/time: 05/05/21 10:50

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.6 | | 1 | 05/10/2021 13:04 | WG1667269 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 49.2 | | 9.53 | 20.7 | 1 | 05/10/2021 02:44 | WG1666535 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0227 | 0.105 | 1.01 | 05/10/2021 08:51 | WG1667371 |
| (S) a,a,a-Trifluorotoluene(FID) | 114 | | | 77.0-120 | | 05/10/2021 08:51 | WG1667371 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000500 | 0.00107 | 1 | 05/09/2021 00:47 | WG1666952 |
| Toluene | U | | 0.00139 | 0.00536 | 1 | 05/09/2021 00:47 | WG1666952 |
| Ethylbenzene | U | | 0.000789 | 0.00268 | 1 | 05/09/2021 00:47 | WG1666952 |
| Total Xylenes | U | | 0.000943 | 0.00696 | 1 | 05/09/2021 00:47 | WG1666952 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 05/09/2021 00:47 | WG1666952 |
| (S) 4-Bromofluorobenzene | 93.9 | | | 67.0-138 | | 05/09/2021 00:47 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 91.4 | | | 70.0-130 | | 05/09/2021 00:47 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 25.2 | | 1.67 | 4.14 | 1 | 05/10/2021 16:39 | WG1667240 |
| C28-C40 Oil Range | 22.8 | | 0.284 | 4.14 | 1 | 05/10/2021 16:39 | WG1667240 |
| (S) o-Terphenyl | 47.1 | | | 18.0-148 | | 05/10/2021 16:39 | WG1667240 |

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

Collected date/time: 05/05/21 10:55

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 91.4 | | 1 | 05/10/2021 13:04 | WG1667269 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 132 | | 50.3 | 109 | 5 | 05/10/2021 02:53 | WG1666535 |

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

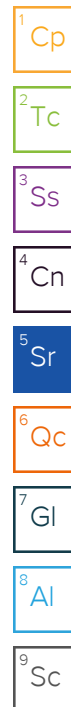
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0237 | 0.109 | 1 | 05/10/2021 09:15 | WG1667371 |
| (S) a,a,a-Trifluorotoluene(FID) | 115 | | | 77.0-120 | | 05/10/2021 09:15 | WG1667371 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000555 | 0.00119 | 1 | 05/09/2021 01:06 | WG1666952 |
| Toluene | U | | 0.00154 | 0.00594 | 1 | 05/09/2021 01:06 | WG1666952 |
| Ethylbenzene | U | | 0.000876 | 0.00297 | 1 | 05/09/2021 01:06 | WG1666952 |
| Total Xylenes | U | | 0.00105 | 0.00772 | 1 | 05/09/2021 01:06 | WG1666952 |
| (S) Toluene-d8 | 101 | | | 75.0-131 | | 05/09/2021 01:06 | WG1666952 |
| (S) 4-Bromofluorobenzene | 93.0 | | | 67.0-138 | | 05/09/2021 01:06 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 93.6 | | | 70.0-130 | | 05/09/2021 01:06 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.53 | J | 1.76 | 4.38 | 1 | 05/10/2021 15:34 | WG1667240 |
| C28-C40 Oil Range | 5.61 | | 0.300 | 4.38 | 1 | 05/10/2021 15:34 | WG1667240 |
| (S) o-Terphenyl | 53.7 | | | 18.0-148 | | 05/10/2021 15:34 | WG1667240 |



Collected date/time: 05/05/21 11:00

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 88.2 | | 1 | 05/10/2021 13:04 | WG1667269 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 7590 | | 209 | 453 | 20 | 05/10/2021 03:03 | WG1666535 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0307 | J | 0.0246 | 0.113 | 1 | 05/10/2021 09:37 | WG1667371 |
| (S) a,a,a-Trifluorotoluene(FID) | 114 | | | 77.0-120 | | 05/10/2021 09:37 | WG1667371 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000592 | 0.00127 | 1 | 05/09/2021 01:25 | WG1666952 |
| Toluene | U | | 0.00165 | 0.00634 | 1 | 05/09/2021 01:25 | WG1666952 |
| Ethylbenzene | U | | 0.000934 | 0.00317 | 1 | 05/09/2021 01:25 | WG1666952 |
| Total Xylenes | 0.00165 | J | 0.00111 | 0.00824 | 1 | 05/09/2021 01:25 | WG1666952 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 05/09/2021 01:25 | WG1666952 |
| (S) 4-Bromofluorobenzene | 93.9 | | | 67.0-138 | | 05/09/2021 01:25 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 94.6 | | | 70.0-130 | | 05/09/2021 01:25 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 8.22 | | 1.82 | 4.53 | 1 | 05/10/2021 15:21 | WG1667240 |
| C28-C40 Oil Range | 5.35 | | 0.311 | 4.53 | 1 | 05/10/2021 15:21 | WG1667240 |
| (S) o-Terphenyl | 50.8 | | | 18.0-148 | | 05/10/2021 15:21 | WG1667240 |

Collected date/time: 05/05/21 11:05

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.4 | | 1 | 05/10/2021 13:04 | WG1667269 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.96 | 21.7 | 1 | 05/10/2021 03:13 | WG1666535 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0235 | 0.108 | 1 | 05/10/2021 09:59 | WG1667371 |
| (S) a,a,a-Trifluorotoluene(FID) | 115 | | | 77.0-120 | | 05/10/2021 09:59 | WG1667371 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000544 | 0.00117 | 1 | 05/09/2021 01:44 | WG1666952 |
| Toluene | U | | 0.00151 | 0.00583 | 1 | 05/09/2021 01:44 | WG1666952 |
| Ethylbenzene | U | | 0.000859 | 0.00291 | 1 | 05/09/2021 01:44 | WG1666952 |
| Total Xylenes | U | | 0.00103 | 0.00757 | 1 | 05/09/2021 01:44 | WG1666952 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 05/09/2021 01:44 | WG1666952 |
| (S) 4-Bromofluorobenzene | 98.0 | | | 67.0-138 | | 05/09/2021 01:44 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 91.1 | | | 70.0-130 | | 05/09/2021 01:44 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.75 | J | 1.74 | 4.33 | 1 | 05/10/2021 14:55 | WG1667240 |
| C28-C40 Oil Range | 2.04 | J | 0.297 | 4.33 | 1 | 05/10/2021 14:55 | WG1667240 |
| (S) o-Terphenyl | 66.9 | | | 18.0-148 | | 05/10/2021 14:55 | WG1667240 |

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

Collected date/time: 05/05/21 11:10

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.7 | | 1 | 05/10/2021 13:04 | WG1667269 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U | | 9.51 | 20.7 | 1 | 05/10/2021 03:41 | WG1666535 |

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

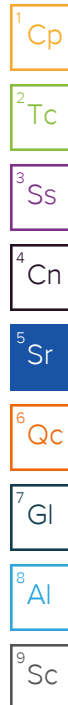
| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0505 | B J | 0.0224 | 0.103 | 1 | 05/09/2021 21:14 | WG1667217 |
| (S) a,a,a-Trifluorotoluene(FID) | 105 | | | 77.0-120 | | 05/09/2021 21:14 | WG1667217 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000499 | 0.00107 | 1 | 05/09/2021 02:03 | WG1666952 |
| Toluene | U | | 0.00139 | 0.00534 | 1 | 05/09/2021 02:03 | WG1666952 |
| Ethylbenzene | U | | 0.000787 | 0.00267 | 1 | 05/09/2021 02:03 | WG1666952 |
| Total Xylenes | U | | 0.000940 | 0.00694 | 1 | 05/09/2021 02:03 | WG1666952 |
| (S) Toluene-d8 | 99.1 | | | 75.0-131 | | 05/09/2021 02:03 | WG1666952 |
| (S) 4-Bromofluorobenzene | 92.8 | | | 67.0-138 | | 05/09/2021 02:03 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 97.1 | | | 70.0-130 | | 05/09/2021 02:03 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.48 | J | 1.66 | 4.14 | 1 | 05/10/2021 15:47 | WG1667240 |
| C28-C40 Oil Range | 4.12 | J | 0.283 | 4.14 | 1 | 05/10/2021 15:47 | WG1667240 |
| (S) o-Terphenyl | 68.1 | | | 18.0-148 | | 05/10/2021 15:47 | WG1667240 |



Collected date/time: 05/05/21 11:15

L1349460

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.5 | | 1 | 05/10/2021 13:04 | WG1667269 |

Wet Chemistry by Method 300.0

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 38.0 | | 9.34 | 20.3 | 1 | 05/10/2021 03:51 | WG1666535 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | 0.0490 | B J | 0.0220 | 0.102 | 1 | 05/09/2021 21:38 | WG1667217 |
| (S) a,a,a-Trifluorotoluene(FID) | 106 | | | 77.0-120 | | 05/09/2021 21:38 | WG1667217 |

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

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|---------------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene | U | J3 | 0.000481 | 0.00103 | 1 | 05/09/2021 02:22 | WG1666952 |
| Toluene | U | J3 | 0.00134 | 0.00515 | 1 | 05/09/2021 02:22 | WG1666952 |
| Ethylbenzene | U | | 0.000760 | 0.00258 | 1 | 05/09/2021 02:22 | WG1666952 |
| Total Xylenes | U | | 0.000907 | 0.00670 | 1 | 05/09/2021 02:22 | WG1666952 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 05/09/2021 02:22 | WG1666952 |
| (S) 4-Bromofluorobenzene | 98.9 | | | 67.0-138 | | 05/09/2021 02:22 | WG1666952 |
| (S) 1,2-Dichloroethane-d4 | 94.4 | | | 70.0-130 | | 05/09/2021 02:22 | WG1666952 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.06 | 1 | 05/10/2021 14:29 | WG1667240 |
| C28-C40 Oil Range | 0.920 | J | 0.278 | 4.06 | 1 | 05/10/2021 14:29 | WG1667240 |
| (S) o-Terphenyl | 63.4 | | | 18.0-148 | | 05/10/2021 14:29 | WG1667240 |

Total Solids by Method 2540 G-2011 [L1349460-01,02](#)

Method Blank (MB)

(MB) R3652749-1 05/10/21 11:05

| | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1349460-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1349460-01 05/10/21 11:05 • (DUP) R3652749-3 05/10/21 11:05

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 97.1 | 97.0 | 1 | 0.0650 | | 10 |

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3652749-2 05/10/21 11:05

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁹Sc

Total Solids by Method 2540 G-2011 [L1349460-03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3652784-1 05/10/21 13:04

| | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1349487-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1349487-02 05/10/21 13:04 • (DUP) R3652784-3 05/10/21 13:04

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 93.1 | 93.4 | 1 | 0.323 | | 10 |

⁷Gl

⁸Al

Laboratory Control Sample (LCS)

(LCS) R3652784-2 05/10/21 13:04

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁹Sc

Method Blank (MB)

(MB) R3652508-1 05/09/21 22:40

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Chloride | U | | 9.20 | 20.0 |

L1348898-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1348898-03 05/10/21 00:40 • (DUP) R3652508-3 05/10/21 00:50

| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | 163 | 167 | 1 | 2.93 | | 20 |

L1349460-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1349460-02 05/10/21 02:06 • (DUP) R3652508-6 05/10/21 02:15

| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3652508-2 05/09/21 22:50

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Chloride | 200 | 203 | 101 | 90.0-110 | |

L1348898-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1348898-03 05/10/21 00:40 • (MS) R3652508-4 05/10/21 00:59 • (MSD) R3652508-5 05/10/21 01:09

| | 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 | % | % | | % | | | % | % |
| Chloride | 513 | 163 | 714 | 721 | 108 | 109 | 1 | 80.0-120 | | | 0.889 | 20 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1349460-01,02

Method Blank (MB)

(MB) R3652259-2 05/09/21 12:13

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 119 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3652259-1 05/09/21 11:29

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 4.83 | 87.8 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 107 | 77.0-120 | |

L1349408-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1349408-01 05/09/21 16:20 • (MS) R3652259-3 05/09/21 22:50 • (MSD) R3652259-4 05/09/21 23:12

| 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 % |
|------------------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 193 | U | 156 | 156 | 80.9 | 80.9 | 25 | 10.0-151 | | | 0.000 | 28 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 109 | 108 | | 77.0-120 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1349460-09,10

Method Blank (MB)

(MB) R3652935-2 05/09/21 12:23

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | 0.0460 | ⬇ | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 106 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3652935-1 05/09/21 11:35

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.46 | 99.3 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 108 | 77.0-120 | |

L1349146-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1349146-03 05/09/21 20:02 • (MS) R3652935-3 05/09/21 22:02 • (MSD) R3652935-4 05/09/21 22:25

| 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 % |
|------------------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 5.50 | 0.0903 | 6.99 | 7.19 | 125 | 129 | 1 | 10.0-151 | | | 2.82 | 28 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 115 | 117 | | 77.0-120 | | | | |

1
Cp

2
Tc

3
Ss

4
Cn

5
Sr

6
Qc

7
Gl

8
Al

9
Sc

Method Blank (MB)

(MB) R3652545-3 05/10/21 02:13

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 118 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3652545-2 05/10/21 01:07

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 5.82 | 106 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 108 | 77.0-120 | |

L1349083-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1349083-06 05/10/21 07:45 • (MS) R3652545-6 05/10/21 14:06 • (MSD) R3652545-7 05/10/21 14:28

| 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 % |
|------------------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction | 190 | U | 176 | 188 | 92.6 | 98.9 | 34.5 | 10.0-151 | | | 6.59 | 28 |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 106 | 111 | | 77.0-120 | | | | |

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

L1349460-01.02.03.04.05.06.07.08.09.10

Method Blank (MB)

(MB) R3652789-3 05/08/21 23:11

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 106 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 93.9 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 93.1 | | | 70.0-130 |

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

(LCS) R3652789-1 05/08/21 21:55 • (LCSD) R3652789-2 05/08/21 22:14

| 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 % |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene | 0.125 | 0.109 | 0.121 | 87.2 | 96.8 | 70.0-123 | | | 10.4 | 20 |
| Ethylbenzene | 0.125 | 0.107 | 0.113 | 85.6 | 90.4 | 74.0-126 | | | 5.45 | 20 |
| Toluene | 0.125 | 0.103 | 0.103 | 82.4 | 82.4 | 75.0-121 | | | 0.000 | 20 |
| Xylenes, Total | 0.375 | 0.305 | 0.325 | 81.3 | 86.7 | 72.0-127 | | | 18.5 | 20 |
| (S) Toluene-d8 | | | | 98.4 | 96.0 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | 97.8 | 93.9 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | 102 | 107 | 70.0-130 | | | | |

L1349460-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1349460-10 05/09/21 02:22 • (MS) R3652789-4 05/09/21 05:52 • (MSD) R3652789-5 05/09/21 06:11

| 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 % |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 0.129 | U | 0.0515 | 0.0321 | 40.0 | 24.9 | 1 | 10.0-149 | | J3 | 46.6 | 37 |
| Ethylbenzene | 0.129 | U | 0.0499 | 0.0352 | 38.7 | 27.4 | 1 | 10.0-160 | | | 34.4 | 38 |
| Toluene | 0.129 | U | 0.0490 | 0.0328 | 38.0 | 25.4 | 1 | 10.0-156 | | J3 | 39.6 | 38 |
| Xylenes, Total | 0.386 | U | 0.155 | 0.109 | 40.0 | 28.3 | 1 | 10.0-160 | | | 34.4 | 38 |
| (S) Toluene-d8 | | | | | 100 | 98.9 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 93.4 | 92.2 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 93.9 | 90.0 | | 70.0-130 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1349460-01,02,03,04,05,06,07,08,09,10](#)

Method Blank (MB)

(MB) R3652677-1 05/10/21 12:58

| 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-C40 Oil Range | U | | 0.274 | 4.00 |
| (S) o-Terphenyl | 57.7 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3652677-2 05/10/21 13:11

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 37.2 | 74.4 | 50.0-150 | |
| (S) o-Terphenyl | | | 50.6 | 18.0-148 | |

L1349083-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1349083-08 05/10/21 13:37 • (MS) R3652677-3 05/10/21 13:50 • (MSD) R3652677-4 05/10/21 14:03

| 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 % |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 84.0 | U | 53.8 | 57.0 | 64.0 | 68.2 | 1 | 50.0-150 | | | 5.77 | 20 |
| (S) o-Terphenyl | | | | | 42.9 | 43.7 | | 18.0-148 | | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

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

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.


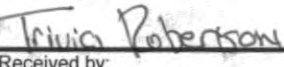
¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Analysis Request of Chain of Custody Record

Page: 1 of 1

| | | | | | | | | | | | | | | | | | | | |
|---|--|-------------|--|---|--|---|--|--|--|--|--|--|--|--|--|--|--|--|--|
|  Tetra Tech, Inc. | | J179 | | 901 West Wall Street, Suite 100 Midland, Texas 79701 Tel (432) 682-4559 Fax (432) 682-3946 | | <div style="font-size: 2em; font-family: cursive;">C1349460</div> | | | | | | | | | | | | | |
| Client Name: Conoco Phillips | | | | Site Manager: Christian Llull | | | | ANALYSIS REQUEST (Circle or Specify Method No.) | | | | | | | | | | | |
| Project Name: MCA 151 | | | | Contact Info: Email: christian.llull@tetrattech.com Phone: (512) 338-1667 | | | | | | | | | | | | | | | |
| Project Location: Lea County, New Mexico | | | | Project #: 212C-MD-02471 | | | | | | | | | | | | | | | |
| Invoice to: Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 | | | | | | | | | | | | | | | | | | | |
| Receiving Laboratory: Pace Analytical | | | | Sampler Signature: John Thurston | | | | | | | | | | | | | | | |
| Comments: COPTETRA Acctnum | | | | | | | | | | | | | | | | | | | |

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING | | MATRIX | | PRESERVATIVE METHOD | | | | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST (Circle or Specify Method No.) | | | | | | | | | | | | | | | | | | | | | | | | | |
|-------------------------|-----------------------|------------|-------|--------|------|---------------------|------------------|-----|------|--------------|----------------|---|------------|-------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|-----------------|------|----------------|----------------|---------|-----|---|----------------------|-----------|------|--|--|--|--|
| | | YEAR: 2021 | | WATER | SOIL | HCL | HNO ₃ | ICE | NONE | | | BTEX 8021B | BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCBs 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Sulfate | TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD | | | | |
| | | DATE | TIME | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| -01 | ESW-24 | 5/5/2021 | 10:30 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| -02 | WSW-24 | 5/5/2021 | 10:35 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| -03 | FS-20 (2') | 5/5/2021 | 10:40 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| -04 | FS-20 (4') | 5/5/2021 | 10:45 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| -05 | FS-21 (2') | 5/5/2021 | 10:50 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| -06 | FS-21 (4') | 5/5/2021 | 10:55 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| -07 | FS-22 (2') | 5/5/2021 | 11:00 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| -08 | FS-22 (4') | 5/5/2021 | 11:05 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| -09 | FS-23 (2') | 5/5/2021 | 11:10 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |
| -10 | FS-23 (4') | 5/5/2021 | 11:15 | | X | | | X | | 1 | N | X | X | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | | | | | |
|---|--|---|--|---|--|--|--|
| Relinquished by:  Date: 5/5/21 Time: 1600 | | Received by:  Date: 5/7/21 Time: 9:45 | | LAB USE ONLY Sample Temperature | | REMARKS: <input type="checkbox"/> Standard <input checked="" type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr. <input type="checkbox"/> Rush Charges Authorized <input type="checkbox"/> Special Report Limits or TRRP Report | |
| Relinquished by: _____ Date: _____ Time: _____ | | Received by: _____ Date: _____ Time: _____ | | | | | |

Sample Receipt Checklist

COC Seal Present/Intact: ☒ Y ☐ N If Applicable

COC Signed/Accurate: ☒ Y ☐ N VOA Zero Headspace: ☐ Y ☒ N

Bottles arrive intact: ☒ Y ☐ N Pres. Correct/Check: ☐ Y ☒ N

Correct bottles used: ☒ Y ☐ N

Sufficient volume sent: ☒ Y ☐ N

RAD Screen <0.5 mR/hr: ☒ Y ☐ N

ORIGINAL COPY Cnt # 10 2638

(Circle) HAND DELIVERED **FEDEX** UPS Tracking #: 1771211651



ANALYTICAL REPORT

May 14, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1352205

Samples Received: 05/13/2021

Project Number: 212C-MD-02471

Description: MCA 151

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
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

| | | |
|---|----|-----------------|
| Cp: Cover Page | 1 | ¹ Cp |
| Tc: Table of Contents | 2 | |
| Ss: Sample Summary | 3 | ² Tc |
| Cn: Case Narrative | 4 | |
| Sr: Sample Results | 5 | ³ Ss |
| NSW-2 L1352205-01 | 5 | ⁴ Cn |
| Qc: Quality Control Summary | 6 | |
| Total Solids by Method 2540 G-2011 | 6 | ⁵ Sr |
| Wet Chemistry by Method 300.0 | 7 | |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 8 | ⁶ Qc |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 9 | |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 10 | ⁷ Gl |
| Gl: Glossary of Terms | 11 | |
| Al: Accreditations & Locations | 12 | ⁸ Al |
| Sc: Sample Chain of Custody | 13 | ⁹ Sc |

NSW-2 L1352205-01 Solid

Collected by
John ThurstonCollected date/time
05/11/21 13:30Received date/time
05/13/21 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|--------------------------|-----------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1670073 | 1 | 05/13/21 14:08 | 05/13/21 14:17 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1670404 | 1 | 05/13/21 19:00 | 05/14/21 04:50 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1670225 | 1 | 05/13/21 13:34 | 05/13/21 19:37 | AV | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1670295 | 1 | 05/13/21 13:34 | 05/13/21 17:18 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1670103 | 1 | 05/13/21 16:40 | 05/13/21 22:41 | TJD | Mt. Juliet, TN |

¹Cp²Tc³Ss⁴Cn⁵Sr⁶Qc⁷Gl⁸Al⁹Sc

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 McCord
Project Manager

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Collected date/time: 05/11/21 13:30

L1352205

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.3 | | 1 | 05/13/2021 14:17 | WG1670073 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 34.2 | | 9.36 | 20.3 | 1 | 05/14/2021 04:50 | WG1670404 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0221 | 0.102 | 1 | 05/13/2021 19:37 | WG1670225 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.2 | | | 77.0-120 | | 05/13/2021 19:37 | WG1670225 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000483 | 0.00103 | 1 | 05/13/2021 17:18 | WG1670295 |
| Toluene | U | | 0.00135 | 0.00517 | 1 | 05/13/2021 17:18 | WG1670295 |
| Ethylbenzene | U | | 0.000763 | 0.00259 | 1 | 05/13/2021 17:18 | WG1670295 |
| Total Xylenes | 0.00155 | J | 0.000911 | 0.00673 | 1 | 05/13/2021 17:18 | WG1670295 |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 05/13/2021 17:18 | WG1670295 |
| (S) 4-Bromofluorobenzene | 115 | | | 67.0-138 | | 05/13/2021 17:18 | WG1670295 |
| (S) 1,2-Dichloroethane-d4 | 115 | | | 70.0-130 | | 05/13/2021 17:18 | WG1670295 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.64 | 4.07 | 1 | 05/13/2021 22:41 | WG1670103 |
| C28-C40 Oil Range | 2.66 | B J | 0.279 | 4.07 | 1 | 05/13/2021 22:41 | WG1670103 |
| (S) o-Terphenyl | 61.1 | | | 18.0-148 | | 05/13/2021 22:41 | WG1670103 |

Total Solids by Method 2540 G-2011 [L1352205-01](#)

Method Blank (MB)

(MB) R3654464-1 05/13/21 14:17

| | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1352063-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1352063-01 05/13/21 14:17 • (DUP) R3654464-3 05/13/21 14:17

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 87.3 | 86.7 | 1 | 0.588 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3654464-2 05/13/21 14:17

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3654380-1 05/14/21 01:30

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| Chloride | U | | 9.20 | 20.0 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1349835-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1349835-06 05/14/21 02:27 • (DUP) R3654380-3 05/14/21 02:36

| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | U | 11.0 | 1 | 0.000 | | 20 |

L1352208-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1352208-01 05/14/21 05:47 • (DUP) R3654380-6 05/14/21 05:56

| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3654380-2 05/14/21 01:39

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte | mg/kg | mg/kg | % | % | |
| Chloride | 200 | 191 | 95.4 | 90.0-110 | |

L1349835-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1349835-18 05/14/21 05:18 • (MS) R3654380-4 05/14/21 05:28 • (MSD) R3654380-5 05/14/21 05:37

| | 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 | % | % | | % | | | % | % |
| Chloride | 500 | 488 | 1280 | 1290 | 158 | 161 | 1 | 80.0-120 | E J5 | E J5 | 1.08 | 20 |

Method Blank (MB)

(MB) R3654344-2 05/13/21 17:15

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.4 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3654344-1 05/13/21 16:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 6.19 | 113 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 116 | 77.0-120 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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

L1352205-01

Method Blank (MB)

(MB) R3654351-2 05/13/21 14:50

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 116 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 108 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3654351-1 05/13/21 13:54

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.112 | 89.6 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.113 | 90.4 | 74.0-126 | |
| Toluene | 0.125 | 0.116 | 92.8 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.336 | 89.6 | 72.0-127 | |
| (S) Toluene-d8 | | | 106 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 118 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 118 | 70.0-130 | |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3654303-1 05/13/21 22:16

| 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-C40 Oil Range | 0.502 | ⬇ | 0.274 | 4.00 |
| (S) o-Terphenyl | 58.9 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3654303-2 05/13/21 22:29

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 41.4 | 82.8 | 50.0-150 | |
| (S) o-Terphenyl | | | 58.9 | 18.0-148 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

Guide to Reading and Understanding Your Laboratory Report

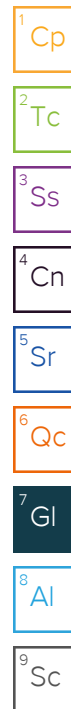
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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. |
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |



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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Analysis Request of Chain of Custody Record

[illegible]

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Pace Analytical National Center for Testing & Innovation Cooler Receipt Form

| Client: <u>CORTETRA</u> | | <u>U352205</u> | | |
|---|--|-------------------------|----------|----|
| Cooler Received/Opened On: <u>5 / 13 / 21</u> | | Temperature: <u>1.8</u> | | |
| Received By: <u>Robert Patton</u> | | | | |
| Signature: <u>[Signature]</u> | | | | |
| Receipt Check List | | NP <u>[Signature]</u> | Yes | No |
| COC Seal Present / Intact? | | <u>[Signature]</u> | <u>/</u> | |
| COC Signed / Accurate? | | | <u>/</u> | |
| Bottles arrive intact? | | | <u>/</u> | |
| Correct bottles used? | | | <u>/</u> | |
| Sufficient volume sent? | | | <u>/</u> | |
| If Applicable | | | | |
| VOA Zero headspace? | | | | |
| Preservation Correct / Checked? | | | | |



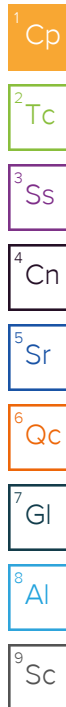
ANALYTICAL REPORT

May 14, 2021

ConocoPhillips - Tetra Tech

Sample Delivery Group: L1352208
Samples Received: 05/13/2021
Project Number: 212C-MD-02471
Description: MCA 151

Report To: Christian Llull
901 West Wall
Suite 100
Midland, TX 79701

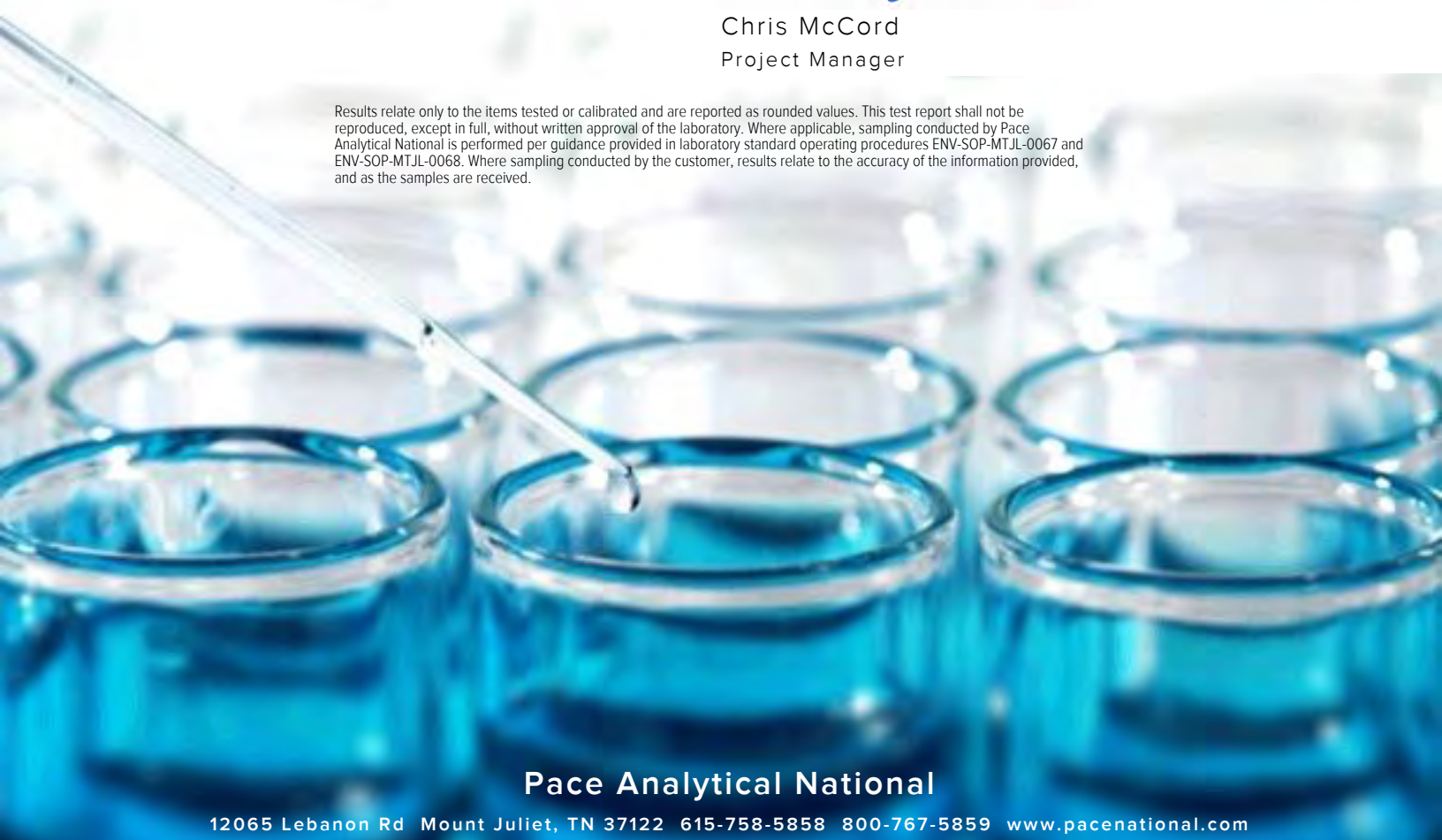


Entire Report Reviewed By:

A handwritten signature in blue ink, appearing to read "Chris McCord".

Chris McCord
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

| | |
|---|----|
| Cp: Cover Page | 1 |
| Tc: Table of Contents | 2 |
| Ss: Sample Summary | 3 |
| Cn: Case Narrative | 4 |
| Sr: Sample Results | 5 |
| ESW-17 (2') L1352208-01 | 5 |
| Qc: Quality Control Summary | 6 |
| Total Solids by Method 2540 G-2011 | 6 |
| Wet Chemistry by Method 300.0 | 7 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 8 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 9 |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 10 |
| Gl: Glossary of Terms | 11 |
| Al: Accreditations & Locations | 12 |
| Sc: Sample Chain of Custody | 13 |

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

SAMPLE SUMMARY

ESW-17 (2') L1352208-01 Solid

Collected by
John Thurston

Collected date/time
05/11/21 10:30

Received date/time
05/13/21 10:00

| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
|---|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011 | WG1670073 | 1 | 05/13/21 14:08 | 05/13/21 14:17 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1670404 | 1 | 05/13/21 19:00 | 05/14/21 05:47 | MCG | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1670225 | 1 | 05/13/21 13:34 | 05/13/21 19:59 | AV | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1670295 | 1 | 05/13/21 13:34 | 05/13/21 17:37 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1670103 | 1 | 05/13/21 16:40 | 05/13/21 22:54 | TJD | Mt. Juliet, TN |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

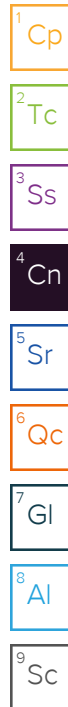
8Al

9Sc

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 McCord
Project Manager



Collected date/time: 05/11/21 10:30

L1352208

Total Solids by Method 2540 G-2011

| Analyte | Result | Qualifier | Dilution | Analysis date / time | Batch |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.5 | | 1 | 05/13/2021 14:17 | WG1670073 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | U | | 9.34 | 20.3 | 1 | 05/14/2021 05:47 | WG1670404 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction | U | | 0.0220 | 0.101 | 1 | 05/13/2021 19:59 | WG1670225 |
| (S) a,a,a-Trifluorotoluene(FID) | 92.2 | | | 77.0-120 | | 05/13/2021 19:59 | WG1670225 |

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

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene | U | | 0.000481 | 0.00103 | 1 | 05/13/2021 17:37 | WG1670295 |
| Toluene | U | | 0.00134 | 0.00515 | 1 | 05/13/2021 17:37 | WG1670295 |
| Ethylbenzene | U | | 0.000759 | 0.00257 | 1 | 05/13/2021 17:37 | WG1670295 |
| Total Xylenes | U | | 0.000906 | 0.00669 | 1 | 05/13/2021 17:37 | WG1670295 |
| (S) Toluene-d8 | 113 | | | 75.0-131 | | 05/13/2021 17:37 | WG1670295 |
| (S) 4-Bromofluorobenzene | 108 | | | 67.0-138 | | 05/13/2021 17:37 | WG1670295 |
| (S) 1,2-Dichloroethane-d4 | 95.4 | | | 70.0-130 | | 05/13/2021 17:37 | WG1670295 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch |
|----------------------|--------------|---------------------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U | | 1.63 | 4.06 | 1 | 05/13/2021 22:54 | WG1670103 |
| C28-C40 Oil Range | 3.62 | B J | 0.278 | 4.06 | 1 | 05/13/2021 22:54 | WG1670103 |
| (S) o-Terphenyl | 55.7 | | | 18.0-148 | | 05/13/2021 22:54 | WG1670103 |

W01670073
Total Solids by Method 2540 G-2011

[L1352208-01](#)

Method Blank (MB)

(MB) R3654464-1 05/13/21 14:17

| | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte | % | | % | % |
| Total Solids | 0.00100 | | | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

L1352063-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1352063-01 05/13/21 14:17 • (DUP) R3654464-3 05/13/21 14:17

| | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte | % | % | | % | | % |
| Total Solids | 87.3 | 86.7 | 1 | 0.588 | | 10 |

Laboratory Control Sample (LCS)

(LCS) R3654464-2 05/13/21 14:17

| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |

⁷Gl

⁸Al

⁹Sc

Method Blank (MB)

(MB) R3654380-1 05/14/21 01:30

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | U | | 9.20 | 20.0 |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

L1349835-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1349835-06 05/14/21 02:27 • (DUP) R3654380-3 05/14/21 02:36

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | U | 11.0 | 1 | 0.000 | | 20 |

L1352208-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1352208-01 05/14/21 05:47 • (DUP) R3654380-6 05/14/21 05:56

| Analyte | Original Result (dry) mg/kg | DUP Result (dry) mg/kg | Dilution | DUP RPD % | DUP Qualifier | DUP RPD Limits % |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | U | U | 1 | 0.000 | | 20 |

Laboratory Control Sample (LCS)

(LCS) R3654380-2 05/14/21 01:39

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200 | 191 | 95.4 | 90.0-110 | |

L1349835-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1349835-18 05/14/21 05:18 • (MS) R3654380-4 05/14/21 05:28 • (MSD) R3654380-5 05/14/21 05:37

| 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 % |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 500 | 488 | 1280 | 1290 | 158 | 161 | 1 | 80.0-120 | <u>E J5</u> | <u>E J5</u> | 1.08 | 20 |

Volatile Organic Compounds (GC) by Method 8015D/GRO [L1352208-01](#)

Method Blank (MB)

(MB) R3654344-2 05/13/21 17:15

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.4 | | | 77.0-120 |

Laboratory Control Sample (LCS)

(LCS) R3654344-1 05/13/21 16:31

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction | 5.50 | 6.19 | 113 | 72.0-127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 116 | 77.0-120 | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1352208-01

Method Blank (MB)

(MB) R3654351-2 05/13/21 14:50

| Analyte | MB Result mg/kg | MB Qualifier | MB MDL mg/kg | MB RDL mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene | U | | 0.000467 | 0.00100 |
| Ethylbenzene | U | | 0.000737 | 0.00250 |
| Toluene | U | | 0.00130 | 0.00500 |
| Xylenes, Total | U | | 0.000880 | 0.00650 |
| (S) Toluene-d8 | 116 | | | 75.0-131 |
| (S) 4-Bromofluorobenzene | 108 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 |

Laboratory Control Sample (LCS)

(LCS) R3654351-1 05/13/21 13:54

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene | 0.125 | 0.112 | 89.6 | 70.0-123 | |
| Ethylbenzene | 0.125 | 0.113 | 90.4 | 74.0-126 | |
| Toluene | 0.125 | 0.116 | 92.8 | 75.0-121 | |
| Xylenes, Total | 0.375 | 0.336 | 89.6 | 72.0-127 | |
| (S) Toluene-d8 | | | 106 | 75.0-131 | |
| (S) 4-Bromofluorobenzene | | | 118 | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | | | 118 | 70.0-130 | |

L1350655-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1350655-06 05/13/21 19:29 • (MS) R3654351-3 05/13/21 23:51 • (MSD) R3654351-4 05/14/21 00:10

| 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 % |
|---------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene | 25.0 | 167 | 134 | 138 | 0.000 | 0.000 | 200 | 10.0-149 | V | V | 2.94 | 37 |
| Ethylbenzene | 25.0 | U | 23.6 | 20.4 | 94.4 | 81.6 | 200 | 10.0-160 | | | 14.5 | 38 |
| Toluene | 25.0 | U | 22.9 | 19.6 | 91.6 | 78.4 | 200 | 10.0-156 | | | 15.5 | 38 |
| Xylenes, Total | 75.0 | U | 70.2 | 59.3 | 93.6 | 79.1 | 200 | 10.0-160 | | | 16.8 | 38 |
| (S) Toluene-d8 | | | | | 106 | 107 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 121 | 115 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 120 | 119 | | 70.0-130 | | | | |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

QUALITY CONTROL SUMMARY

Method Blank (MB)

(MB) R3654303-1 05/13/21 22:16

| 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-C40 Oil Range | 0.502 | ⬇ | 0.274 | 4.00 |
| (S) o-Terphenyl | 58.9 | | | 18.0-148 |

Laboratory Control Sample (LCS)

(LCS) R3654303-2 05/13/21 22:29

| Analyte | Spike Amount mg/kg | LCS Result mg/kg | LCS Rec. % | Rec. Limits % | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0 | 41.4 | 82.8 | 50.0-150 | |
| (S) o-Terphenyl | | | 58.9 | 18.0-148 | |

¹Cp

²Tc

³Ss

⁴Cn

⁵Sr

⁶Qc

⁷Gl

⁸Al

⁹Sc

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. |
| E | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J | The identification of the analyte is acceptable; the reported value is an estimate. |
| J5 | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |
| V | The sample concentration is too high to evaluate accurate spike recoveries. |

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

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.

¹ Cp² Tc³ Ss⁴ Cn⁵ Sr⁶ Qc⁷ Gl⁸ Al⁹ Sc

Page : 1 of 1

Analysis Request of Chain of Custody Record

[illegible]

ORIGINAL COPY

(Circle) HAND DELIVERED **FEDEX** UPS Tracking #: _____

| Pace Analytical National Center for Testing & Innovation Cooler Receipt Form | | | |
|---|----|-------------------------------------|----|
| Client: COPTETRA | | L1352208 | |
| Cooler Received/Opened On: 5 / 13 / 21 | | Temperature: 1.8 | |
| Received By: Robert Patton | | | |
| Signature: <i>Robert Patton</i> | | | |
| | | | |
| Receipt Check List | NP | Yes | No |
| COC Seal Present / Intact? | | <input checked="" type="checkbox"/> | |
| COC Signed / Accurate? | | <input checked="" type="checkbox"/> | |
| Bottles arrive intact? | | <input checked="" type="checkbox"/> | |
| Correct bottles used? | | <input checked="" type="checkbox"/> | |
| Sufficient volume sent? | | <input checked="" type="checkbox"/> | |
| If Applicable | | | |
| VOA Zero headspace? | | | |
| Preservation Correct / Checked? | | | |

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

State of New Mexico
Energy, Minerals and Natural Resources
Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

CONDITIONS

Action 28715

CONDITIONS

| | |
|--|---|
| Operator: CONOCOPHILLIPS COMPANY 600 W. Illinois Avenue Midland, TX 79701 | OGRID: 217817 |
| | Action Number: 28715 |
| | Action Type: [C-141] Release Corrective Action (C-141) |

CONDITIONS

| | | |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| chensley | None | 8/3/2021 |