

## SITE INFORMATION

### Report Type: Work Plan    1RP-5079

#### General Site Information:

|                             |                                                                                                                                                                                                                                                                          |         |       |              |  |  |
|-----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|-------|--------------|--|--|
| Site:                       | EVGSAU 3308-007 Flowline Release                                                                                                                                                                                                                                         |         |       |              |  |  |
| Company:                    | ConocoPhillips                                                                                                                                                                                                                                                           |         |       |              |  |  |
| Section, Township and Range | Unit Letter E                                                                                                                                                                                                                                                            | Sec. 33 | T 17S | R 35E        |  |  |
| Lease Number:               | Associated API No. 30-025-32219                                                                                                                                                                                                                                          |         |       |              |  |  |
| County:                     | Lea                                                                                                                                                                                                                                                                      |         |       |              |  |  |
| GPS:                        | 32.793771°                                                                                                                                                                                                                                                               |         |       | -103.470578° |  |  |
| Surface Owner:              | State                                                                                                                                                                                                                                                                    |         |       |              |  |  |
| Mineral Owner:              | State                                                                                                                                                                                                                                                                    |         |       |              |  |  |
| Directions:                 | Depart from Buckeye (NM238/Buckeye Rd.). Head east on Buckeye Rd. for 1.72 miles. Turn right onto dirt road. Head south for 0.44 miles. Turn left onto dirt road. Head northeast for 0.16 miles. Turn right onto dirt road. Head east for 0.14miles. Arrive at location. |         |       |              |  |  |
|                             |                                                                                                                                                                                                                                                                          |         |       |              |  |  |
|                             |                                                                                                                                                                                                                                                                          |         |       |              |  |  |
|                             |                                                                                                                                                                                                                                                                          |         |       |              |  |  |

#### Release Data:

|                          |                    |  |
|--------------------------|--------------------|--|
| Date Released:           | 5/30/2018          |  |
| Type Release:            | Produced Water/Oil |  |
| Source of Contamination: | Flowline Leak      |  |
| Fluid Released:          | 30 bbls            |  |
| Fluids Recovered:        | 12 bbls            |  |

#### Official Communication:

|               |                                                                                          |  |                                                                                    |
|---------------|------------------------------------------------------------------------------------------|--|------------------------------------------------------------------------------------|
| Name:         | Marvin Soriwei                                                                           |  | Christian M. Llull                                                                 |
| Company:      | Conoco Phillips - RMR                                                                    |  | Tetra Tech                                                                         |
| Address:      | 935 N. Eldridge Pkwy.                                                                    |  | 8911 North Capital of Texas Highway                                                |
|               |                                                                                          |  | Building 2, Suite 2310                                                             |
| City:         | Houston, Texas 77079                                                                     |  | Austin, Texas                                                                      |
| Phone number: | (832) 486-2730                                                                           |  | (512) 338-2861                                                                     |
| Fax:          |                                                                                          |  |                                                                                    |
| Email:        | <a href="mailto:marvin.soriwei@conocophillips.com">marvin.soriwei@conocophillips.com</a> |  | <a href="mailto:christian.llull@tetrattech.com">christian.llull@tetrattech.com</a> |

#### Site Characterization

|                                                              |                   |
|--------------------------------------------------------------|-------------------|
| Shallowest Depth to Groundwater:                             | 80' below surface |
| Impact to groundwater or surface water:                      | No                |
| Extents within 300 feet of a watercourse:                    | No                |
| Extents within 200 feet of lakebed, sinkhole, or playa lake: | No                |
| Extents within 300 feet of an occupied structure:            | No                |
| Extents within 500 horizontal feet of a private water well:  | No                |
| Extents within 1000 feet of any water well or spring:        | No                |
| Extents within incorporated municipal well field:            | No                |
| Extents within 300 feet of a wetland:                        | No                |
| Extents overlying a subsurface mine:                         | No                |
| Karst Potential:                                             | Low               |
| Extents within a 100-year floodplain:                        | No                |
| Impact to areas not on a production site:                    | No                |

#### Recommended Remedial Action Levels (RRALs)

| Benzene  | Total BTEX | TPH (GRO+DRO) | TPH (GRO+DRO+MRO) | Chlorides    |
|----------|------------|---------------|-------------------|--------------|
| 10 mg/kg | 50 mg/kg   | 1,000 mg/kg   | 2,500 mg/kg       | 10,000 mg/kg |



January 12, 2021

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

**Re: Release Characterization and Remediation Work Plan  
ConocoPhillips  
EVGSAU 3308-007 Flowline Release  
Unit Letter E, Section 33, Township 17 South, Range 35 East  
Lea County, New Mexico  
1RP-5079  
Incident ID NOY1815239274**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips Company (COP) to assess a release that occurred from the flowline associated with the East Vacuum Grayburg San Andres Unit (EVGSAU) 3308-007 well (Associated API No. 30-025-32219). The release footprint is located in Public Land Survey System (PLSS) Unit Letter E, Section 33, Township 17 South, Range 35 East, Lea County, New Mexico (Site). The release site coordinates are 32.793744°, -103.470587°. The Site location is 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 May 30, 2018. The release occurred as the result of a flowline leak affecting a total area of 10,044 square feet. Approximately 2 barrels (bbls) of crude oil and 28 bbls of produced water were released, of which approximately 12 bbls of fluid were recovered. The New Mexico Oil Conservation District (NMOCD) received and approved the C-141 report form for the release on June 1, 2018. The NMOCD Incident ID for the release is NOY1815239274.

## 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 within a New Mexico oil and gas production area and is in an area of low karst potential.

According to the New Mexico Office of the State Engineer (NMOSE) reporting system, there are three water wells within ½ mile (800 meters) of the Site. The wells have an average depth to groundwater of 80 feet below ground surface (bgs). 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

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levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chloride in soil.

Based upon the Site characterization, the proposed RRALs are:

| Constituent           | RRAL         |
|-----------------------|--------------|
| Chloride (0-4 ft bgs) | 600 mg/kg    |
| Chloride (>4 ft bgs)  | 10,000 mg/kg |
| TPH (GRO+DRO+MRO)     | 2,500 mg/kg  |
| TPH (GRO+DRO)         | 1,000 mg/kg  |
| BTEX                  | 50 mg/kg     |
| Benzene               | 10 mg/kg     |

## INITIAL RESPONSE AND REMEDIAL ACTIVITIES

In accordance with 19.15.29.8.B.(4) NMAC that states “the responsible party may commence remediation immediately after discovery of a release”, COP elected to begin remediation of the impacted area in 2018. The footprint of the release was excavated by COP personnel with heavy equipment to approximately 1-foot bgs to remove the visually impacted soils. Figure 3 depicts the initial release extent and the area excavated as part of the initial response activities.

## INITIAL SITE ASSESSMENT AND SAMPLING RESULTS

COP personnel were onsite to delineate and sample the release area on October 11, 2018. Soil samples were collected from four (4) sample locations (SP-1 through SP-4) within the release extent to a depth of 8 feet bgs to evaluate the vertical extents of the release. Samples were collected from the 1-foot, the 3-foot, the 5-foot and the 8-foot intervals. Thus, a total of sixteen (16) soil samples were collected from the sample locations and placed into laboratory provided sample containers, transferred under chain of custody, and analyzed within appropriate holding times by Cardinal Laboratories (Cardinal). The soil samples were analyzed for TPH via Method 8015 Modified, chloride via Method SM4500Cl-B, and BTEX via Method 8021B. A copy of the analytical report and chain-of-custody documentation is included in Appendix C. The boring locations are shown on Figure 3.

On April 30, 2019, COP personnel collected additional soil samples from three (3) sample locations (SP-1 through SP-3) outside of the release extent in an attempt to horizontally delineate the release footprint. These borings were advanced to a depth of 8 feet bgs. A total of nine (9) soil samples were collected from the three sample locations and submitted to Cardinal for chloride (SM4500Cl-B) analysis only. A copy of the analytical report and chain-of-custody documentation is included in Appendix C. The boring locations are shown on Figure 3.

Results from the assessment soil sampling events are summarized in Table 1. The analytical results associated with samples collected during the initial 2018 soil assessment were below the RRALs for BTEX. Analytical results associated with 2018 locations SP-1, SP-2 and SP-4 were above RRALs for chloride down to a depth of 3 feet bgs. Analytical results associated with the 2018 SP-2 location was above the reclamation RRAL for TPH (100 mg/kg) at the 1-foot interval. Analytical results associated with the 2018 SP-3 location were below RRALs. Vertical delineation was completed inside the footprint.

Analytical results associated with the borings completed as part of the secondary April 2019 sampling event were above RRALs for chloride in the 1-foot sample depth interval at all three sample locations. These perimeter borings encountered evidence of historical impact outside the observed release footprint. The next depth interval analyzed at these locations was the 5' interval, so horizontal delineation was incomplete for the release area.

## ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

In order to achieve horizontal and clarify vertical delineation of the release extent, Tetra Tech personnel conducted a soil investigation on October 9 and 10, 2019. A total of eight (8) borings (BH-1 through BH-8) were installed using an air rotary drilling rig to various depths to evaluate the vertical and horizontal extents of the release. Four (4) borings (BH-2, BH-3, BH-5, and BH-7) were installed within the release extent at depths ranging from 10 feet bgs to 15 feet bgs to achieve and clarify vertical delineation. The remaining four (4) borings (BH-1, BH-4, BH-6 and BH-8) were installed around the perimeter of the release extent to achieve horizontal delineation. Boring logs from the October 2019 assessment activities are included as Appendix D.

A total of forty-six (46) samples were submitted to Pace National and 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 report and chain-of-custody documentation are included in Appendix C. The boring locations are shown on Figure 4.

Results from the October 2019 sampling event are summarized in Table 2. Analytical results associated with borings BH-1, BH-2, BH-3, BH-6 and BH-7 were above Site RRALs for chloride and/or TPH down to a depth of 3 feet. Analytical results from BH-5 were above Site reclamation RRALs for chloride and TPH down to a depth of 1 foot. There were no detections of BTEX above the Site RRAL in any of the analyzed samples. All other sample results were below Site RRALs.

## ADDITIONAL SITE DELINEATION AND SAMPLING RESULTS

Following the October 2019 site assessment activities, on March 16, 2020, another release occurred within the previously excavated area of the 1RP-5079 release footprint. According to the State of New Mexico C-141 Initial Report for the March 2020 release, approximately 0.6 bbls of crude oil and 134.6 bbls of produced water were released as the result of a flowline pipe connection leak in roughly the same location as the 1RP-5079 release. This release extent was confined within the previously excavated area from initial response activities for 1RP-5079. Approximately 0.6 bbls of crude oil and 129.4 bbls of produced water were recovered. The NMOCD Incident ID for the March 2020 release is NRM2008348428. Incident NRM2008348428 will be addressed in a subsequent Work Plan that will be submitted to the NMOCD under separate cover.

Because both the April 2019 and the October 2019 drilling and sampling activities revealed evidence of historical impact adjacent to the 1RP-5079 release extent, additional horizontal delineation was required. Delineation was completed over several events. Tetra Tech personnel were onsite on May 21, 2020 to drill and sample two (2) borings (BH-20-1W and BH-20-2W) east of the 1RP-5079 perimeter to depths of 10 feet bgs and 5 feet bgs, respectively. These borings were drilled as a portion of another release characterization to the east of the 1RP-5079 footprint. Boring locations are shown on Figure 4. A total of eight (8) samples were submitted to Pace and analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B.

Additionally, on September 2, 2020, Tetra Tech personnel returned to the Site to again horizontally and vertically delineate the 1RP-5079 release area following the newer March 2020 release. Three (3) borings (BH-20-3, BH-20-4 and BH-20-6) were installed within the release extent footprint to a maximum depth of 20 feet bgs. Six (6) borings (BH-20-5 and BH-20-7 through BH-20-11) were installed around the perimeter of the release extent to a depth of 8 feet bgs. A total of forty-four (44) samples were submitted to Pace and analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B.

All analytical results from the May 2020 sampling event were below Site RRALs, which characterized the eastern edge of the extent. Analytical results from September 2020 were below RRALs for BTEX. Analytical results for interior borings BH-20-3 and BH-20-4 were above Site reclamation RRALs for chloride and/or TPH down to 4 feet bgs. Analytical results associated with perimeter borings BH-20-9 and BH-20-5 were



above Site reclamation RRLs for chloride and/or TPH concentrations at 0-1 feet and 2-3 feet, respectively. All other sample results were below Site RRLs.

In order to horizontally delineate the release extent near boring locations BH-20-5 and BH-20-9, Tetra Tech personnel installed three (3) borings to the north and northwest on November 11, 2020. These borings (BH-20-12 through BH-20-14) were installed using a hand auger to a maximum depth of 2 feet bgs. A total of four (4) samples were submitted to Pace and analyzed for chloride via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. Copies of the laboratory analytical reports and chain-of-custody documentation associated with all 2020 additional site delineation activities are included in Appendix C. The assessment and delineation boring locations are shown on Figure 4. Laboratory analytical results are summarized in Table 3.

The 1RP-5079 release and subsequent March 2020 release were considered vertically and horizontally delineated following the November 2020 additional delineation activities.

## REMEDIATION WORK PLAN

Based on the analytical results, ConocoPhillips proposes to remove the remaining impacted material as shown in Figure 5. Impacted soils will be excavated using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 4 feet below the surrounding surface or until a representative sample from the walls and bottom of the excavation is below the RRLs. The central portion and southern area of the release extent that contains steel surface lines and subsurface lines will be hand-dug to a depth of 3 feet or the maximum extent practicable and heavy equipment will come no more than 3 feet from any pressurized lines.

Excavated soils will be transported offsite and disposed of at an NMOCD-approved or permitted facility. Confirmation bottom and sidewall samples will be collected for verification of remedial activities, and analyzed for TPH, BTEX, and chlorides. Once results are received, NMOCD will be notified and the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be remediated is approximately 2,010 cubic yards.

## ALTERNATIVE CONFIRMATION SAMPLING PLAN

In accordance with 19.15.29.12(D)(1)(b) NMAC, ConocoPhillips proposes the following alternative confirmation sampling plan to adhere with NMOCD requirements. The proposed confirmation sample locations are depicted in Figure 6. Twenty-three (23) confirmation floor samples and twenty-four (24) confirmation sidewall samples are proposed for verification of remedial activities. The proposed excavation encompasses a surface area of approximately 19,251 square feet.

These confirmation sidewall and floor samples will be representative of no more than approximately 500 square feet of excavated area. Confirmation samples will be sent to Pace Laboratories for analysis of TPH (Method 8015 modified), BTEX (Method 8260B), and chloride (USEPA Method 300.0). Once results are received, NMOCD will be notified and the excavation will then be backfilled with clean material to surface grade.

## REVEGETATION PLAN

The backfilled areas will be seeded in Spring 2021 (first favorable growing season) to aid in revegetation. Based on the soils at the site, the New Mexico State Land Office (NMSLO) Sandy Loam (SL) Sites Seed Mixture will be used for seeding and will be planted in the amount specified in the pounds pure live seed (PLS) per acre. The seed mixture will be spread by a drill equipped with a depth regulator or a hand-held broadcaster and raked. If a hand-held broadcaster is used for dispersal, the pounds pure live seed per acre will be doubled.

Release Characterization and Remediation Work Plan  
January 12, 2021

ConocoPhillips

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. The NMSLO seed mixture details and corresponding pounds pure live seed per acre are included in Appendix E.

## CONCLUSION

ConocoPhillips proposes to begin remediation activities at the Site within ninety (90) days of NMOCD plan approval. Upon completion of the proposed work, a final closure report detailing the remediation activities and the results of the confirmation sampling will be submitted to NMOCD. If you have any questions concerning the soil assessment or the proposed remediation activities for the Site, please call me at (512) 338-2861 or Greg Pope at (432) 682-4559.

Sincerely,

**Tetra Tech, Inc.**



Christian M. Llull, P.G.  
Project Manager



Greg W. Pope, P.G.  
Program Manager

cc:

Mr. Marvin Soriwei, RMR – ConocoPhillips  
Mr. Charles Beauvais, GPBU - ConocoPhillips  
Mr. Jim Amos, BLM

**List of Attachments**

Figures:

- Figure 1 – Site Location Map
- Figure 2 – Topographic Map
- Figure 3 – Initial Assessment and Response
- Figure 4 – Additional Assessment Map
- Figure 5 – Proposed Remediation Extents
- Figure 6 – Alternative Confirmation Sampling Plan

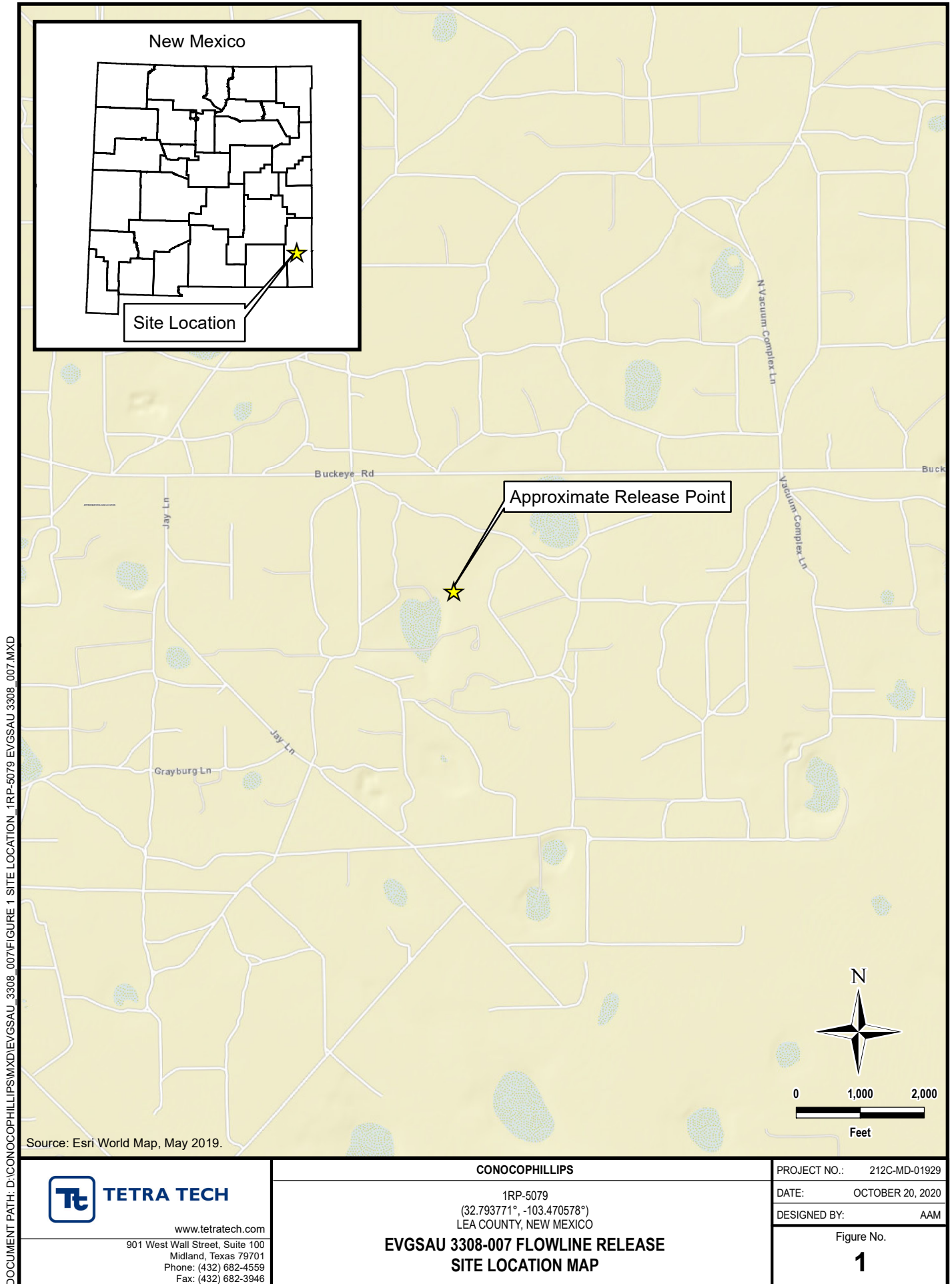
Tables:

- Table 1 – Summary of Analytical Results – Initial Soil Assessment
- Table 2 – Summary of Analytical Results – Additional Soil Assessment
- Table 3 – Summary of Analytical Results – Additional Soil Assessment and Delineation

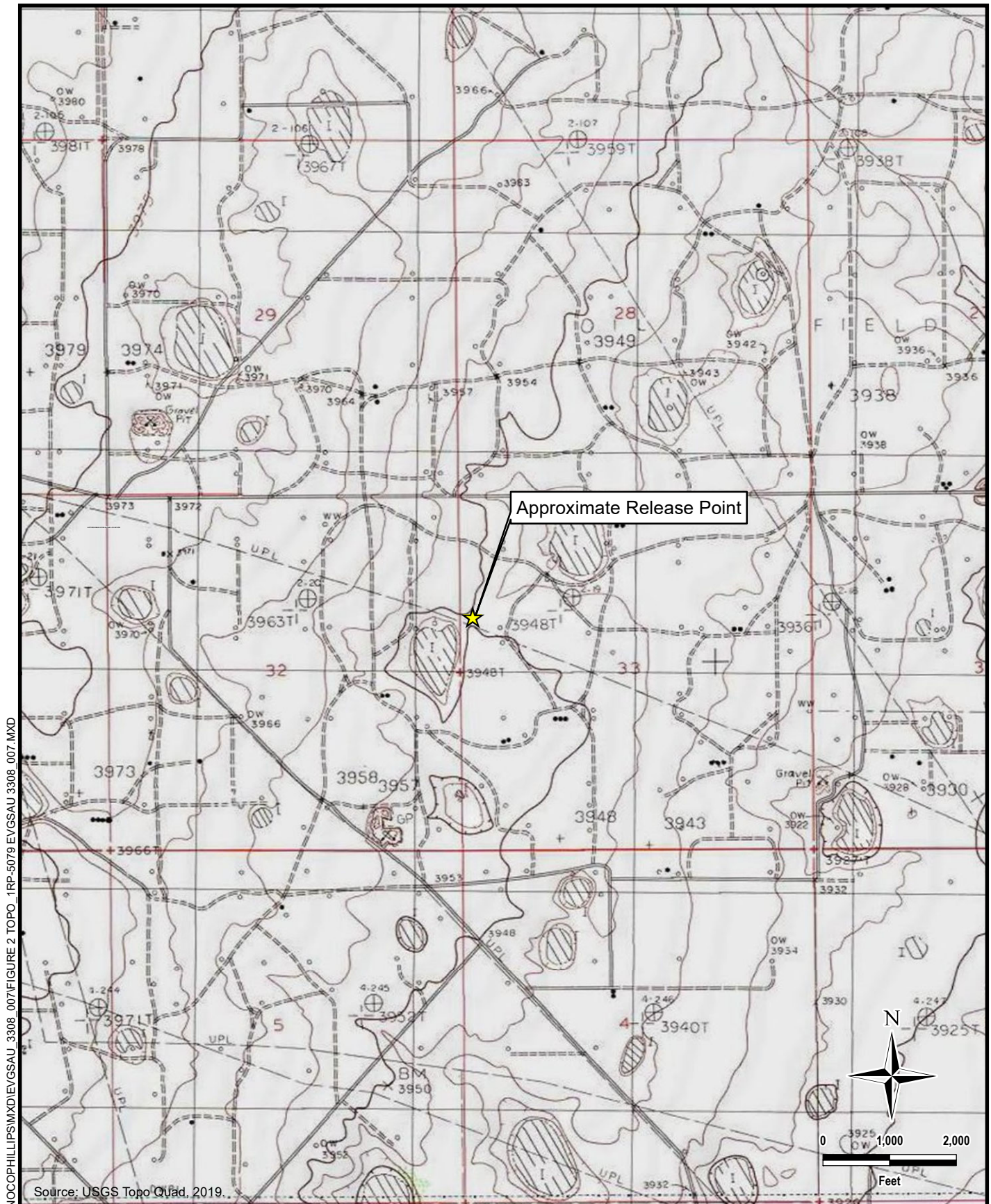
Appendices:

- Appendix A – C-141 Form
- Appendix B – Site Characterization Data
- Appendix C – Laboratory Analytical Data
- Appendix D – Soil Boring Logs
- Appendix E – Photographic Documentation
- Appendix F – NMSLO Seed Mixture Details

## **FIGURES**







DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU\_3308\_007\FIGURE 2 TOPO\_1RP-5079 EVGSAU 3308\_007.MXD


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**CONOCOPHILLIPS**

 1RP-5079  
 (32.793771°, -103.470578°)  
 LEA COUNTY, NEW MEXICO

**EVGSAU 3308-007 FLOWLINE RELEASE  
 TOPOGRAPHIC MAP**

PROJECT NO.: 212C-MD-01929

DATE: OCTOBER 20, 2020

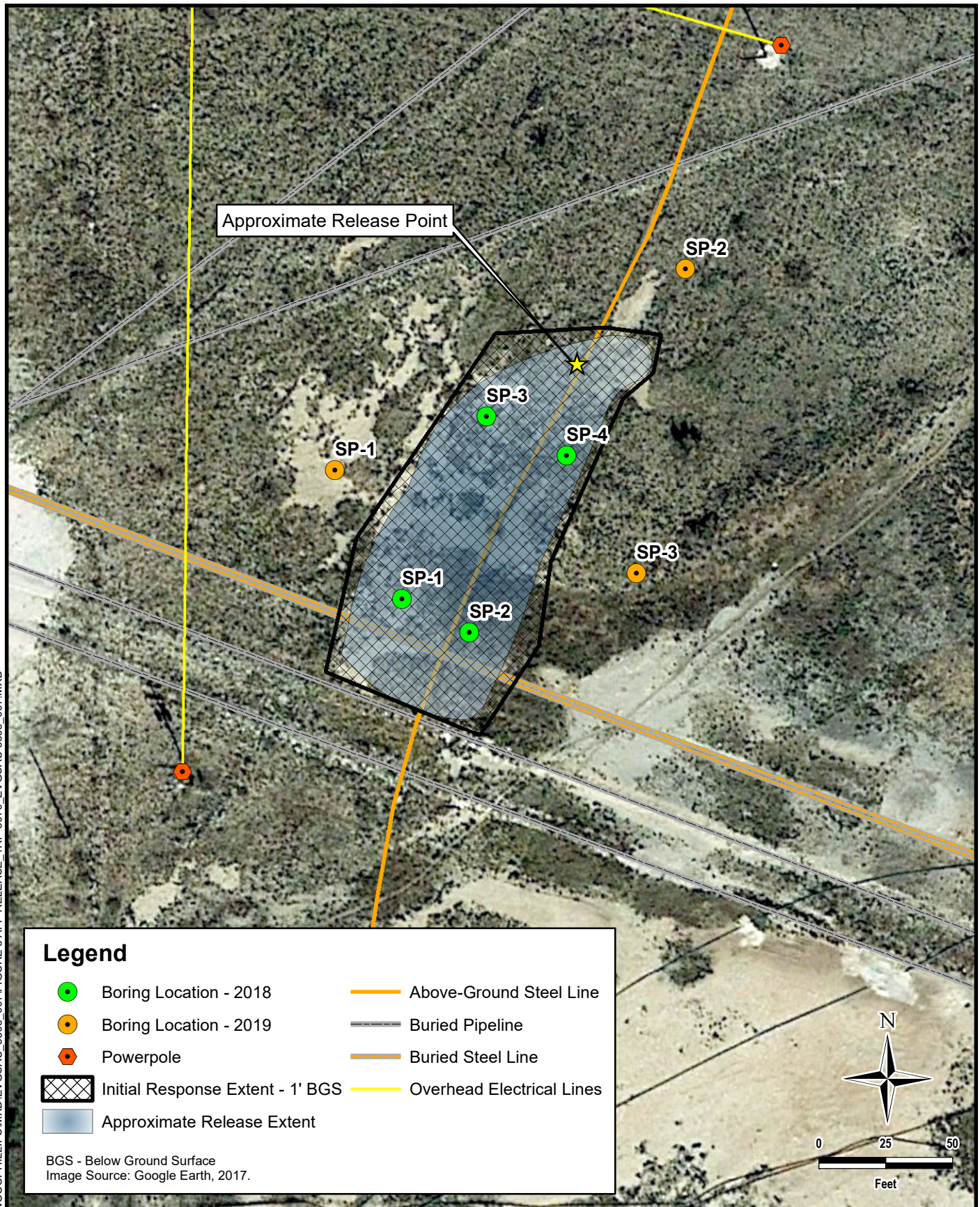
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Figure No.

**2**



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**CONOCOPHILLIPS**

1RP-5079

(32.793771°, -103.470578°)  
LEA COUNTY, NEW MEXICO

**EVGSAU 3308-007 FLOWLINE RELEASE  
INITIAL ASSESSMENT AND RESPONSE**

PROJECT NO.: 212C-MD-01929

DATE: OCTOBER 20, 2020

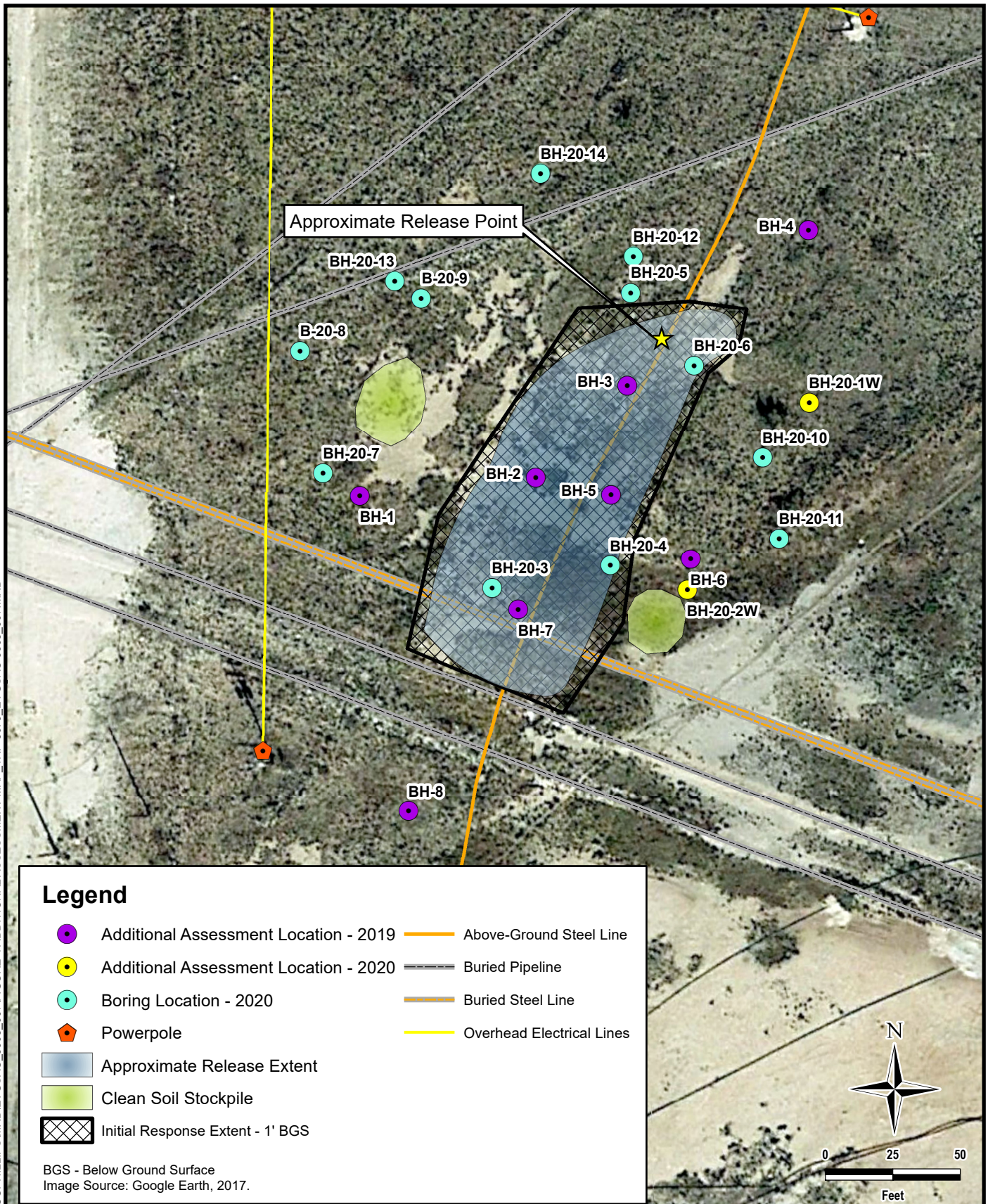
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Figure No.

**3**



DOCUMENT PATH: D:\CONOCOPHILLIPS\MD\EVGSAU\_3308\_007\FIGURE 4 ADDITIONAL ASSESSMENT MAP\_1RP-5079 EVGSAU 3308\_007.MXD

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1RP-5079  
(32.793771°, -103.470578°)  
LEA COUNTY, NEW MEXICO

**EVGSAU 3308-007 FLOWLINE RELEASE  
ADDITIONAL ASSESSMENT MAP**

PROJECT NO.: 212C-MD-01929

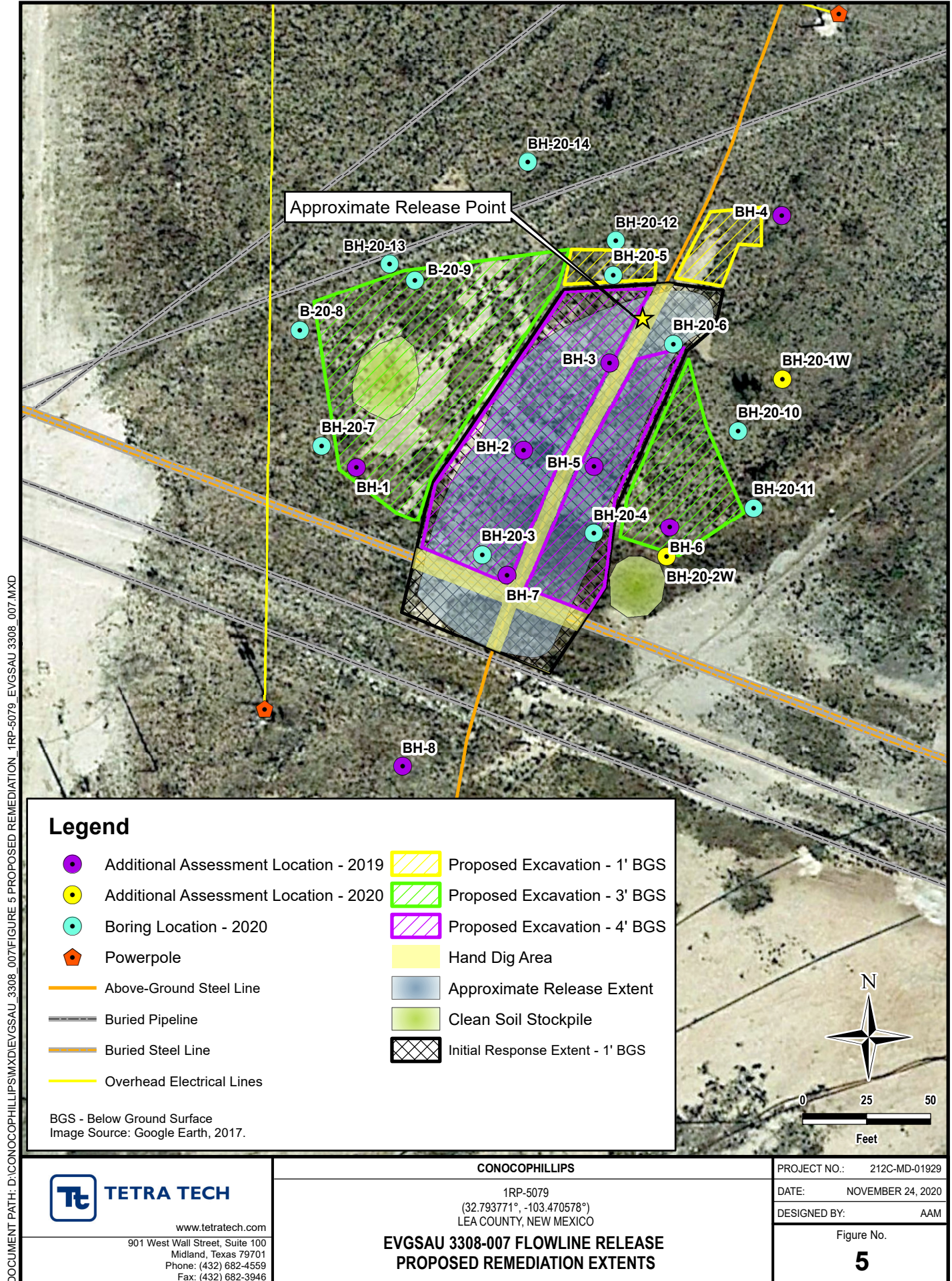
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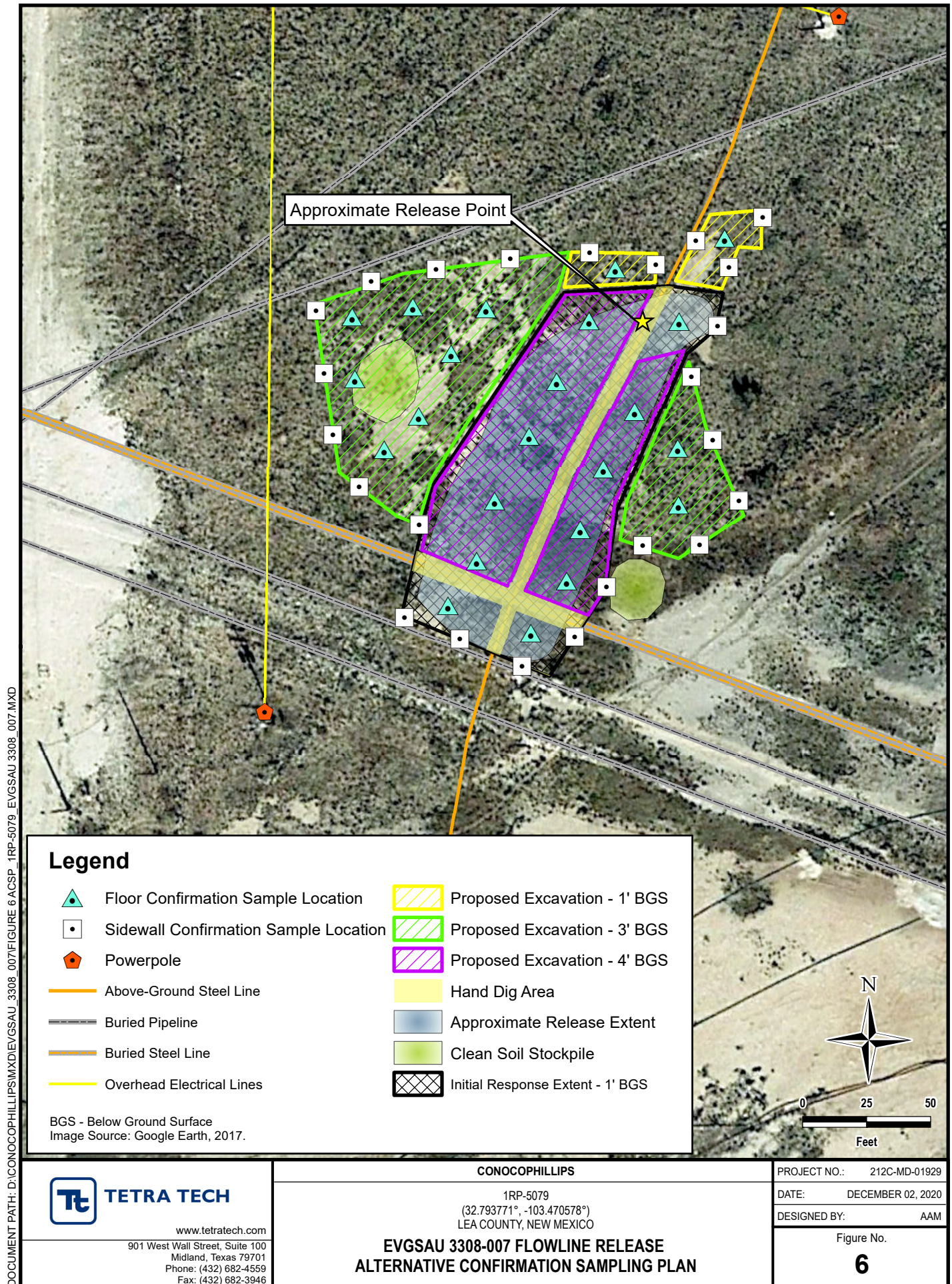
Figure No.

**4**











## **TABLES**

TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
INITIAL SOIL ASSESSMENT - 1RP-5079  
CONOCOPHILLIPS  
EVGSAU 3308-007 FLOWLINE RELEASE  
LEA COUNTY, NEW MEXICO

|                           | Sample ID | Sample Date | Sample Interval | Field Screening Results |           | Chloride <sup>1</sup> |       | BTEX <sup>2</sup> |   |         |   |              |   |        |   |            |   | TPH <sup>3</sup> |   |       |   |         |       |                                         |            |
|---------------------------|-----------|-------------|-----------------|-------------------------|-----------|-----------------------|-------|-------------------|---|---------|---|--------------|---|--------|---|------------|---|------------------|---|-------|---|---------|-------|-----------------------------------------|------------|
|                           |           |             |                 | PID                     | Chlorides |                       |       | Benzene           |   | Toluene |   | Ethylbenzene |   | Xylene |   | Total BTEX |   | GRO              |   | DRO   |   | EXT DRO |       | TPH (C <sub>6</sub> - C <sub>36</sub> ) |            |
|                           |           |             |                 | 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                                   | Q          |
| Inside of Release Extent  | SP-1      | 10/11/18    | 1               | -                       | -         | <b>1060</b>           |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | 21.7  |   | <10.0   |       |                                         | 21.7       |
|                           |           |             | 3               | -                       | -         | 560                   |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           |           |             | 5               | -                       | -         | 160                   |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           |           |             | 8               | -                       | -         | 1630                  |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           | SP-2      | 10/11/18    | 1               | -                       | -         | <b>5280</b>           |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | 230   |   | 74.3    | QR-03 |                                         | <b>304</b> |
|                           |           |             | 3               | -                       | -         | <b>1540</b>           |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | 84.7  |   | 12.1    |       |                                         | 96.8       |
|                           |           |             | 5               | -                       | -         | 2480                  |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           |           |             | 8               | -                       | -         | 4640                  |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           | SP-3      | 10/11/18    | 1               | -                       | -         | 560                   | QM-07 | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           |           |             | 3               | -                       | -         | 240                   |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           |           |             | 5               | -                       | -         | 2600                  |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           |           |             | 8               | -                       | -         | 2000                  |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | 10.4  |   | <10.0   |       |                                         | 10.4       |
|                           | SP-4      | 10/11/18    | 1               | -                       | -         | <b>4120</b>           |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           |           |             | 3               | -                       | -         | <b>2080</b>           |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           |           |             | 5               | -                       | -         | 288                   |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
|                           |           |             | 8               | -                       | -         | 208                   |       | <0.050            |   | <0.050  |   | <0.050       |   | <0.150 |   | <0.300     |   | <10.0            |   | <10.0 |   | <10.0   |       |                                         | -          |
| Outside of Release Extent | SP-1      | 04/30/19    | 1               | -                       | -         | <b>944</b>            |       | NS                |   | NS      |   | NS           |   | NS     |   | NS         |   | NS               |   | NS    |   | NS      |       |                                         | -          |
|                           |           |             | 5               | -                       | -         | 640                   |       | NS                |   | NS      |   | NS           |   | NS     |   | NS         |   | NS               |   | NS    |   | NS      |       |                                         | -          |
|                           |           |             | 8               | -                       | -         | 256                   |       | NS                |   | NS      |   | NS           |   | NS     |   | NS         |   | NS               |   | NS    |   | NS      |       |                                         | -          |
|                           | SP-2      | 04/30/19    | 1               | -                       | -         | <b>688</b>            |       | NS                |   | NS      |   | NS           |   | NS     |   | NS         |   | NS               |   | NS    |   | NS      |       |                                         | -          |
|                           |           |             | 5               | -                       | -         | 160                   |       | NS                |   | NS      |   | NS           |   | NS     |   | NS         |   | NS               |   | NS    |   | NS      |       |                                         | -          |
|                           |           |             | 8               | -                       | -         | 304                   |       | NS                |   | NS      |   | NS           |   | NS     |   | NS         |   | NS               |   | NS    |   | NS      |       |                                         | -          |
|                           | SP-3      | 04/30/19    | 1               | -                       | -         | <b>3560</b>           |       | NS                |   | NS      |   | NS           |   | NS     |   | NS         |   | NS               |   | NS    |   | NS      |       |                                         | -          |
|                           |           |             | 5               | -                       | -         | 5360                  |       | NS                |   | NS      |   | NS           |   | NS     |   | NS         |   | NS               |   | NS    |   | NS      |       |                                         | -          |
|                           |           |             | 8               | -                       | -         | 2280                  |       | NS                |   | NS      |   | NS           |   | NS     |   | NS         |   | NS               |   | NS    |   | NS      |       |                                         | -          |

## NOTES:

ft. Feet

bgs Below ground surface

mg/kg Milligrams per kilogram

ppm Parts per million

NS Not Sampled

TPH Total Petroleum Hydrocarbons

GRO Gasoline Range Organics

DRO Diesel Range Organics

EXT DRO Extended Diesel Range Organics

Bold values exceed the proposed RRAL for the Site.

Shaded rows indicate depth intervals proposed for excavation and remediation.

1 Method SM4500Cl-B

2 Method 8021B

3 Method 8015M

QM-07 The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.

QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch was accepted based on LCS and/or LCSD recovery and/or RPD values.



TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
ADDITIONAL SOIL ASSESSMENT - 1RP-5079  
CONOCOPHILLIPS  
EVGSAU 3308-007 FLOWLINE RELEASE  
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Interval | Field Screening Results |          | Chloride <sup>1</sup> |       | BTEX <sup>2</sup> |         |         |         |           |              |           |        | TPH <sup>3</sup>                |            |                  |                                  |       |        |                                  |       |               |
|-----------|-------------|-----------------|-------------------------|----------|-----------------------|-------|-------------------|---------|---------|---------|-----------|--------------|-----------|--------|---------------------------------|------------|------------------|----------------------------------|-------|--------|----------------------------------|-------|---------------|
|           |             |                 | ft. bgs                 | Chloride |                       |       | PID               | Benzene |         | Toluene |           | Ethylbenzene |           | Xylene |                                 | Total BTEX | GRO <sup>4</sup> |                                  | DRO   |        | ORO                              |       | TPH (GRO+DRO) |
|           |             | ppm             |                         | mg/kg    | Q                     | mg/kg | Q                 | mg/kg   | Q       | mg/kg   | Q         | mg/kg        | Q         | mg/kg  | C <sub>1</sub> -C <sub>10</sub> | mg/kg      | Q                | C <sub>10</sub> -C <sub>28</sub> | mg/kg | Q      | C <sub>28</sub> -C <sub>40</sub> | mg/kg |               |
| BH-1      | 10/09/19    | 0-1             | 651                     | 4.2      | 1350                  |       | < 0.00108         |         | 0.0421  |         | < 0.00270 |              | < 0.00701 |        | 0.0421                          | < 0.108    |                  | 8.53                             |       | 26.6   |                                  | 8.53  | 35.1          |
|           |             | 2-3             | 492                     | 3.2      | 653                   |       | < 0.00104         |         | 0.0438  |         | < 0.00261 |              | < 0.00678 |        | 0.0438                          | < 0.104    |                  | 1.92                             | J     | 5.16   |                                  | 1.92  | 7.08          |
|           |             | 4-5             | -                       | 5.5      | 491                   |       | 0.000605          | J       | 0.0413  |         | < 0.00263 |              | < 0.00684 |        | 0.0419                          | < 0.105    |                  | < 4.21                           |       | 1.34   | J                                | -     | 1.34          |
|           |             | 6-7             | 455                     | 5.2      | 349                   |       | < 0.00108         |         | 0.0443  |         | < 0.00272 |              | < 0.00704 |        | 0.0443                          | 0.0234     | J                | < 4.29                           |       | 0.499  | J                                | 0.023 | 0.522         |
|           |             | 9-10            | 123                     | 3.5      | 91.5                  |       | < 0.00101         |         | 0.0419  |         | < 0.00252 |              | < 0.00656 |        | 0.0419                          | 0.0685     | B J              | < 4.04                           |       | 0.847  | J                                | 0.087 | 0.916         |
| BH-2      | 10/09/19    | 0-1             | -                       | 19.1     | 14100                 |       | < 0.00104         |         | 0.0438  |         | < 0.00261 |              | < 0.00679 |        | 0.0438                          | 0.0648     | B J              | 1600                             |       | 912    |                                  | 1600  | 2512          |
|           |             | 2-3             | -                       | 397.1    | 1830                  |       | < 0.00837         |         | 0.0502  |         | 0.00649   | J            | 0.142     |        | 0.1987                          | 46.3       |                  | 2420                             |       | 1060   |                                  | 2466  | 3526          |
|           |             | 4-5             | 434                     | 19.3     | 366                   |       | < 0.00109         |         | 0.0473  |         | < 0.00271 |              | < 0.00706 |        | 0.0473                          | 0.0734     | B J              | < 4.34                           |       | 0.940  | J                                | 0.073 | 1.013         |
|           |             | 6-7             | -                       | 23.3     | 237                   |       | < 0.00101         |         | 0.0447  |         | < 0.00254 |              | < 0.00659 |        | 0.0447                          | 0.0680     | B J              | 5.67                             |       | 3.67   | J                                | 5.74  | 9.41          |
|           |             | 9-10            | 1640                    | 7.9      | 1300                  |       | < 0.00105         |         | 0.0438  |         | 0.00112   | J            | < 0.00683 |        | 0.0449                          | 0.0645     | B J              | < 4.20                           |       | 0.453  | J                                | 0.065 | 0.518         |
| BH-3      | 10/09/19    | 0-1             | -                       | 6.6      | 890                   |       | < 0.00108         |         | 0.0679  |         | < 0.00270 |              | < 0.00701 |        | 0.0679                          | 0.0734     | B J              | 135                              |       | 142    |                                  | 135   | 277           |
|           |             | 2-3             | 604                     | 9.6      | 795                   |       | < 0.00106         |         | 0.0633  |         | < 0.00265 |              | < 0.00688 |        | 0.0633                          | 0.0737     | B J              | < 4.23                           |       | 0.561  | J                                | 0.074 | 0.635         |
|           |             | 4-5             | -                       | 8.0      | 23.4                  | B     | < 0.00106         |         | 0.0698  |         | < 0.00265 |              | < 0.00689 |        | 0.0698                          | < 0.107    |                  | < 4.24                           |       | < 4.24 |                                  | -     | -             |
|           |             | 6-7             | 143                     | 4.9      | 59.5                  |       | < 0.00113         |         | 0.00759 |         | < 0.00283 |              | < 0.00735 |        | 0.00759                         | < 0.114    |                  | < 4.53                           |       | < 4.53 |                                  | -     | -             |
|           |             | 9-10            | 128                     | 8.9      | 70.9                  |       | < 0.00108         |         | 0.00561 |         | < 0.00272 |              | < 0.00704 |        | 0.00561                         | < 0.107    |                  | < 4.29                           |       | 1.14   | J                                | -     | 1.14          |
| BH-4      | 10/09/19    | 0-1             | 96.1                    | 3.8      | 38.0                  | B     | < 0.00107         |         | 0.00491 | J       | < 0.00268 |              | < 0.00697 |        | 0.00491                         | < 0.107    |                  | 12.9                             |       | 35.9   |                                  | 12.9  | 48.8          |
|           |             | 2-3             | -                       | 9.0      | 226                   |       | < 0.00108         |         | 0.00498 | J       | < 0.00269 |              | < 0.00699 |        | 0.00498                         | < 0.109    |                  | < 4.30                           |       | 5.42   |                                  | -     | 5.42          |
|           |             | 4-5             | 326                     | 7.5      | 281                   |       | < 0.00105         |         | 0.00458 | J       | < 0.00263 |              | < 0.00685 |        | 0.00458                         | < 0.105    |                  | < 4.22                           |       | 0.291  | J                                | -     | 0.291         |
|           |             | 6-7             | -                       | 7.1      | 315                   |       | < 0.00419         |         | 0.00464 | J       | < 0.00262 |              | < 0.00682 |        | 0.00464                         | < 0.106    |                  | < 4.19                           |       | 0.609  | J                                | -     | 0.609         |
|           |             | 9-10            | 178                     | 8.7      | 125                   |       | < 0.00106         |         | 0.00534 |         | < 0.00264 |              | < 0.00687 |        | 0.00534                         | < 0.106    |                  | < 4.23                           |       | 0.302  | J                                | -     | 0.302         |
| BH-5      | 10/09/19    | 14-15           | 62.4                    | 8.2      | 11.7                  | B     | < 0.00103         |         | 0.00443 | J       | < 0.00259 |              | < 0.00672 |        | 0.00443                         | < 0.103    |                  | < 4.14                           |       | 0.430  | J                                | -     | 0.430         |
|           |             | 0-1             | -                       | 8.1      | 786                   | V     | < 0.00104         |         | 0.00544 |         | < 0.00261 |              | < 0.00678 |        | 0.00544                         | < 0.104    |                  | 152                              |       | 304    |                                  | 152   | 456           |
|           |             | 2-3             | -                       | 7.6      | 568                   |       | < 0.00106         |         | 0.00507 | J       | < 0.00265 |              | < 0.00690 |        | 0.00507                         | < 0.106    |                  | 2.98                             | J     | 7.65   |                                  | 2.98  | 10.63         |
|           |             | 4-5             | 2240                    | 5.4      | 1580                  |       | < 0.00120         |         | 0.00528 | J       | < 0.00299 |              | < 0.00780 |        | 0.00528                         | < 0.121    |                  | < 4.79                           |       | 1.78   | J                                | -     | 1.78          |
|           |             | 6-7             | 575                     | 4.8      | 453                   |       | < 0.00102         |         | 0.00477 | J       | < 0.00255 |              | < 0.00663 |        | 0.00477                         | < 0.102    |                  | < 4.08                           |       | 1.33   | J                                | -     | 1.33          |
| BH-6      | 10/09/19    | 9-10            | 516                     | 7.2      | 318                   |       | < 0.00103         |         | 0.00450 | J       | < 0.00257 |              | < 0.00668 |        | 0.00450                         | < 0.103    |                  | < 4.11                           |       | 0.839  | J                                | -     | 0.839         |
|           |             | 14-15           | -                       | 6.9      | 396                   |       | < 0.00104         |         | 0.00438 | J       | < 0.00260 |              | < 0.00677 |        | 0.00438                         | < 0.105    |                  | < 4.17                           |       | 0.772  | J                                | -     | 0.772         |
|           |             | 0-1             | -                       | 3.1      | 19.7                  | B     | < 0.00103         |         | 0.00476 | J       | < 0.00259 |              | < 0.00672 |        | 0.00476                         | 0.0784     | B J J3           | 57.3                             |       | 191    |                                  | 57.4  | 248           |
|           |             | 2-3             | 480                     | 9.8      | 1050                  |       | < 0.00111         |         | 0.00656 |         | < 0.00276 |              | < 0.00719 |        | 0.00656                         | 0.0701     | B J              | 27.9                             |       | 67.9   |                                  | 27.97 | 95.9          |
|           |             | 4-5             | 451                     | 5.5      | 835                   |       | < 0.00106         |         | 0.00433 | J       | < 0.00264 |              | < 0.00686 |        | 0.00433                         | 0.0745     | B J              | 9.61                             |       | 22.9   |                                  | 9.68  | 32.6          |
| BH-7      | 10/10/19    | 0-1             | -                       | 3.2      | 4040                  |       | < 0.00111         |         | 0.00495 | B J     | < 0.00278 |              | < 0.00722 |        | 0.00495                         | 0.0248     | J                | 143                              |       | 242    |                                  | 143   | 385           |
|           |             | 2-3             | 1520                    | 4.6      | 1850                  |       | < 0.00109         |         | 0.00498 | B J     | < 0.00274 |              | < 0.00710 |        | 0.00498                         | < 0.108    |                  | 7.62                             |       | 15.3   |                                  | 7.62  | 22.9          |
|           |             | 4-5             | -                       | 4.5      | 454                   |       | < 0.00110         |         | 0.00510 | B J     | < 0.00275 |              | < 0.00716 |        | 0.00510                         | < 0.111    |                  | < 4.41                           |       | < 4.41 |                                  | -     | -             |
|           |             | 6-7             | 334                     | 2.7      | 264                   |       | < 0.00111         |         | 0.00440 | B J     | < 0.00278 |              | < 0.00724 |        | 0.00440                         | < 0.111    |                  | < 4.45                           |       | < 4.45 |                                  | -     | -             |
|           |             | 9-10            | -                       | 3.4      | 72.9                  |       | < 0.00106         |         | 0.00445 | B J     | < 0.00266 |              | < 0.00692 |        | 0.00445                         | < 0.107    |                  | < 4.26                           |       | < 4.26 |                                  | -     | -             |
| BH-8      | 10/10/19    | 14-15           | 253                     | 1.9      | 155                   |       | < 0.00108         |         | 0.00454 | B J     | < 0.00270 |              | < 0.00703 |        | 0.00454                         | < 0.108    |                  | < 4.32                           |       | < 4.32 |                                  | -     | -             |
|           |             | 0-1             | 134                     | 2.4      | 53.7                  |       | < 0.00111         |         | 0.00529 | B J     | < 0.00278 |              | < 0.00720 |        | 0.00529                         | < 0.110    |                  | 4.84                             |       | 19.6   |                                  | 4.84  | 24.4          |
|           |             | 2-3             | -                       | 2.1      | 50.1                  |       | < 0.00105         |         | 0.00417 | B J     | < 0.00263 |              | < 0.00684 |        | 0.00417                         | < 0.105    |                  | 3.03                             | J     | 9.03   |                                  | 3.03  | 12.06         |
|           |             | 4-5             | 63.8                    | 4.9      | 59.9                  | J3    | < 0.00105         |         | 0.00402 | B J     | < 0.00261 |              | < 0.00680 |        | 0.00402                         | < 0.105    |                  | < 4.18                           |       | < 4.18 |                                  | -     | -             |
|           |             | 6-7             | -                       | 4.1      | 505                   |       | < 0.00105         |         | 0.00474 | B J     | < 0.00263 |              | < 0.00683 |        | 0.00474                         | < 0.105    |                  | < 4.16                           |       | < 4.16 |                                  | -     | -             |
| BH-8      | 10/10/19    | 9-10            | -                       | 5.5      | 641                   |       | < 0.00107         |         | 0.00444 | B J     | < 0.00269 |              | < 0.00699 |        | 0.00444                         | < 0.107    |                  | < 4.30                           |       | < 4.30 |                                  | -     | -             |
|           |             | 14-15           | 66.5                    | 6.2      | 72.0                  |       | < 0.00102         |         | 0.00446 | B J     | < 0.00255 |              | < 0.00664 |        | 0.00446                         | < 0.102    |                  | < 4.09                           |       | < 4.09 |                                  | -     | -             |

## 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

Shaded rows indicate depth intervals proposed for excavation and remediation.

1 Method 300.0

2 Method 8260B

3 Method 8015

4 Method 8015D/GRO

## QUALIFIERS:

B The same analyte is found in the associated blank.

TABLE 3  
SUMMARY OF ANALYTICAL RESULTS  
ADDITIONAL SOIL ASSESSMENT AND DELINEATION - 1RP-5079  
CONOCOPHILLIPS  
EVGSAU 3308-007 FLOWLINE RELEASE  
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Interval | Field Screening Results |          | Chloride <sup>1</sup> |       | BTEX <sup>2</sup> |         |           |         |           |              |           |        |         |            | TPH <sup>3</sup> |        |       |        |       |       |                            |  |
|-----------|-------------|-----------------|-------------------------|----------|-----------------------|-------|-------------------|---------|-----------|---------|-----------|--------------|-----------|--------|---------|------------|------------------|--------|-------|--------|-------|-------|----------------------------|--|
|           |             |                 | ft. bgs                 | Chloride |                       |       | PID               | Benzene |           | Toluene |           | Ethylbenzene |           | Xylene |         | Total BTEX | GRO <sup>4</sup> |        | DRO   |        | ORO   |       | Total TPH<br>(GRO+DRO+ORO) |  |
|           |             | ppm             |                         | mg/kg    | Q                     | mg/kg | Q                 | mg/kg   | Q         | mg/kg   | Q         | mg/kg        | Q         | mg/kg  | mg/kg   | Q          | mg/kg            | Q      | mg/kg | Q      | mg/kg |       |                            |  |
| BH-20-1W  | 5/21/2020   | 0-1             | -                       | -        | < 21.0                |       | < 0.00105         |         | < 0.00524 |         | < 0.00262 |              | < 0.00681 |        | -       | 0.0813     | B J              | 10.6   |       | 20.4   | B     | 31.1  |                            |  |
|           |             | 2-3             | -                       | -        | 18.2                  | J     | < 0.00102         |         | < 0.00510 |         | < 0.00255 |              | < 0.00663 |        | -       | 0.0567     | B J              | < 4.08 |       | 1.65   | B J   | 1.71  |                            |  |
|           |             | 4-5             | -                       | -        | 47.6                  |       | < 0.00103         |         | < 0.00514 |         | < 0.00257 |              | < 0.00668 |        | -       | 0.0497     | B J              | < 4.11 |       | 1.32   | B J   | 1.37  |                            |  |
|           |             | 6-7             | -                       | -        | 175                   |       | < 0.00105         |         | < 0.00523 |         | < 0.00261 |              | < 0.00680 |        | -       | 0.0463     | B J              | < 4.18 |       | < 4.18 |       | 0.046 |                            |  |
|           |             | 9-10            | -                       | -        | 191                   |       | < 0.00104         |         | < 0.00521 |         | < 0.00261 |              | < 0.00678 |        | -       | < 0.104    |                  | < 4.17 |       | < 4.17 |       | -     |                            |  |
| BH-20-2W  | 5/21/2020   | 0-1             | -                       | -        | 128                   |       | < 0.00103         |         | < 0.00517 |         | < 0.00258 |              | < 0.00672 |        | -       | < 0.103    |                  | 2.58   | J     | 5.61   | B     | 8.19  |                            |  |
|           |             | 2-3             | -                       | -        | 315                   |       | < 0.00102         |         | < 0.00511 |         | < 0.00256 |              | < 0.00664 |        | -       | < 0.102    |                  | < 4.09 |       | 3.02   | B J   | 3.02  |                            |  |
|           |             | 4-5             | -                       | -        | 278                   |       | < 0.00105         |         | < 0.00523 |         | < 0.00261 |              | < 0.00679 |        | -       | < 0.105    |                  | < 4.18 |       | 0.839  | B J   | 0.84  |                            |  |
| BH-20-3   | 9/2/2020    | 1-2             | -                       | 0.0      | 7800                  |       | < 0.00106         | J4      | < 0.00528 |         | < 0.00264 |              | 0.00098   | J      | 0.00098 | < 0.103    |                  | 65.1   | J3 J6 | 133    |       | 198   |                            |  |
|           |             | 3-4             | -                       | 0.0      | 775                   |       | < 0.00106         | J4      | < 0.00530 |         | < 0.00265 |              | 0.00133   | J      | 0.00133 | < 0.103    |                  | 2.42   | J     | 2.74   | B J   | 5.16  |                            |  |
|           |             | 5-6             | -                       | -        | 41.4                  |       | < 0.00117         |         | < 0.00585 |         | < 0.00293 |              | < 0.00761 |        | -       | < 0.108    |                  | 2.44   | J     | 1.42   | B J   | 3.86  |                            |  |
|           |             | 7-8             | -                       | -        | 329                   |       | < 0.00110         | J4      | < 0.00551 |         | < 0.00276 |              | < 0.00716 |        | -       | < 0.105    |                  | 2.61   | J     | 2.6    | B J   | 5.21  |                            |  |
|           |             | 9-10            | 215                     | -        | 52.9                  |       | < 0.00112         | J4      | < 0.00561 |         | < 0.00280 |              | < 0.00729 |        | -       | < 0.106    |                  | 4.24   |       | 0.909  | B J   | 5.15  |                            |  |
|           |             | 14-15           | 137                     | -        | 284                   |       | < 0.00107         | J4      | < 0.00535 |         | < 0.00267 |              | 0.00098   | J      | 0.00098 | < 0.103    |                  | 2.05   | J     | 1.23   | B J   | 3.28  |                            |  |
| BH-20-4   | 9/2/2020    | 1-2             | -                       | 0.0      | 5890                  |       | < 0.00101         | J4      | < 0.00506 |         | < 0.00253 |              | 0.00160   | J      | 0.00160 | < 0.101    |                  | 38.8   |       | 71.6   |       | 110   |                            |  |
|           |             | 3-4             | -                       | 0.0      | 1070                  |       | < 0.00106         | J4      | < 0.00532 |         | < 0.00266 |              | < 0.00692 |        | -       | < 0.103    |                  | 6.05   |       | 15.9   |       | 22.0  |                            |  |
|           |             | 5-6             | -                       | 0.0      | 937                   |       | < 0.00111         | J4      | < 0.00557 |         | < 0.00278 |              | < 0.00724 |        | -       | < 0.106    |                  | 1.90   | J     | 1.85   | B J   | 3.75  |                            |  |
|           |             | 7-8             | 777                     | -        | 100                   |       | < 0.00148         | J4      | < 0.00742 |         | < 0.00371 |              | < 0.00965 |        | -       | 0.0277     | B J              | < 4.97 |       | 0.441  | B J   | 0.47  |                            |  |
|           |             | 9-10            | 1230                    | -        | 955                   |       | < 0.00111         | J4      | < 0.00555 |         | < 0.00277 |              | 0.00114   | J      | 0.00114 | < 0.105    |                  | 2.32   | J     | 1.28   | B J   | 3.60  |                            |  |
|           |             | 14-15           | 1150                    | -        | 863                   |       | < 0.00111         |         | < 0.00556 |         | < 0.00278 |              | < 0.00723 |        | -       | 0.0270     | B J              | 2.45   | J     | 2.12   | B J   | 4.57  |                            |  |
|           |             | 18-19           | 688                     | -        | 481                   |       | < 0.00114         |         | < 0.00571 |         | < 0.00285 |              | < 0.00742 |        | -       | 0.0333     | BJ               | 3.23   | J     | 1.48   | B J   | 4.74  |                            |  |
|           |             | 19-20           | 740                     | -        | 463                   |       | < 0.00111         |         | < 0.00554 |         | < 0.00277 |              | < 0.00721 |        | -       | 0.0357     | BJ               | 2.03   | J     | 0.683  | B J   | 2.75  |                            |  |
| BH-20-5   | 9/2/2020    | 0-1             | 31                      | 0.0      | 289                   |       | < 0.00111         |         | < 0.00556 |         | < 0.00278 |              | < 0.00723 |        | -       | 0.0503     | BJ               | 22.7   |       | 78     |       | 101   |                            |  |
|           |             | 2-3             | 47                      | 0.0      | 51.3                  |       | < 0.00107         |         | < 0.00533 |         | < 0.00267 |              | < 0.00693 |        | -       | 0.0227     | BJ               | 3.19   | J     | 10.5   |       | 13.7  |                            |  |
|           |             | 4-5             | 52                      | -        | 56.5                  |       | < 0.00105         |         | < 0.00523 |         | < 0.00261 |              | 0.00111   | J      | 0.00111 | 0.0267     | BJ               | 2.68   | J     | 3.6    | B J   | 6.31  |                            |  |
|           |             | 7-8             | 39                      | -        | 22.6                  |       | 0.00053           | J       | < 0.00510 |         | < 0.00255 |              | 0.00106   | J      | 0.00159 | 0.0383     | BJ               | 4.1    |       | 9.97   |       | 14.1  |                            |  |
| BH-20-6   | 9/2/2020    | 1-2             | 75                      | 0.0      | 221                   |       | < 0.00103         |         | < 0.00513 |         | < 0.00257 |              | < 0.00667 |        | -       | 0.026      | BJ               | 7.51   |       | 21     |       | 28.5  |                            |  |
|           |             | 3-4             | 91                      | 0.0      | 453                   |       | < 0.00108         |         | < 0.00539 |         | < 0.00269 |              | < 0.00700 |        | -       | 0.0244     | BJ               | 2.14   | J     | 1.6    | B J   | 3.76  |                            |  |
|           |             | 5-6             | -                       | -        | 580                   |       | < 0.00114         |         | < 0.00570 |         | < 0.00285 |              | < 0.00741 |        | -       | < 0.107    |                  | < 4.28 |       | 0.45   | B J   | 0.45  |                            |  |
|           |             | 7-8             | -                       | -        | 416                   |       | < 0.00108         |         | < 0.00541 |         | < 0.00270 |              | < 0.00703 |        | -       | < 0.104    |                  | < 4.16 |       | < 4.16 |       | -     |                            |  |
|           |             | 9-10            | 110                     | 0.0      | 50.8                  |       | < 0.00108         |         | < 0.00541 |         | < 0.00271 |              | < 0.00704 |        | -       | 0.0414     | BJ               | < 4.17 |       | 0.368  | B J   | 0.41  |                            |  |
|           |             | 14-15           | 77                      | -        | 22.7                  |       | < 0.00114         |         | < 0.00572 |         | < 0.00286 |              | < 0.00744 |        | -       | 0.0318     | BJ               | 4.18   | J     | 4.27   | B J   | 8.48  |                            |  |
| BH-20-7   | 9/2/2020    | 0-1             | 70                      | 0.0      | 136                   |       | < 0.00105         |         | < 0.00527 |         | < 0.00263 |              | < 0.00685 |        | -       | 0.0226     | BJ               | 1.91   | J     | 7.07   | B J   | 9.00  |                            |  |
|           |             | 2-3             | 252                     | 0.0      | 121                   |       | < 0.00111         |         | < 0.00556 |         | < 0.00278 |              | < 0.00723 |        | -       | < 0.106    |                  | 1.91   | J     | 6.53   | B     | 8.44  |                            |  |
|           |             | 4-5             | 117                     | -        | 170                   |       | < 0.00104         |         | < 0.00518 |         | < 0.00259 |              | < 0.00673 |        | -       | 0.0259     | BJ               | < 4.07 |       | < 4.07 |       | 0.03  |                            |  |
|           |             | 7-8             | -                       | -        | 104                   |       | < 0.00107         |         | < 0.00536 |         | < 0.00268 |              | < 0.00697 |        | -       | 0.0248     | BJ               | 3.27   | J     | 4.71   | B     | 8.00  |                            |  |



TABLE 3  
SUMMARY OF ANALYTICAL RESULTS  
ADDITIONAL SOIL ASSESSMENT AND DELINEATION - 1RP-5079  
CONOCOPHILLIPS  
EVGSAU 3308-007 FLOWLINE RELEASE  
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Interval | Field Screening Results |                 | Chloride <sup>1</sup> |       | BTEX <sup>2</sup> |         |           |         |           |              |           |        | TPH <sup>3</sup> |            |                  |        |       |        |       |       |
|-----------|-------------|-----------------|-------------------------|-----------------|-----------------------|-------|-------------------|---------|-----------|---------|-----------|--------------|-----------|--------|------------------|------------|------------------|--------|-------|--------|-------|-------|
|           |             |                 | ft. bgs                 | Chloride<br>ppm |                       |       | PID               | Benzene |           | Toluene |           | Ethylbenzene |           | Xylene |                  | Total BTEX | GRO <sup>4</sup> |        | DRO   |        | ORO   |       |
|           |             | 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     |
| BH-20-8   | 9/2/2020    | 0-1             | 130                     | 0.0             | 214                   |       | < 0.00104         |         | < 0.00522 |         | < 0.00261 |              | < 0.00678 |        | -                | 0.0357     | BJ               | 4.54   |       | 19.5   | B     | 24.1  |
|           |             | 2-3             | 234                     | 0.0             | 449                   |       | < 0.00109         |         | < 0.00545 |         | < 0.00273 |              | < 0.00709 |        | -                | < 0.105    |                  | < 4.18 |       | 1.79   | BJ    | 1.79  |
|           |             | 4-5             | 301                     | -               | 287                   |       | < 0.00110         |         | < 0.00548 |         | < 0.00274 |              | < 0.00713 |        | -                | < 0.106    |                  | < 4.19 |       | < 4.19 |       | -     |
|           |             | 7-8             | 269                     | -               | 128                   |       | < 0.00112         |         | < 0.00558 |         | < 0.00279 |              | < 0.00725 |        | -                | < 0.106    |                  | < 4.23 |       | < 4.23 |       | -     |
| BH-20-9   | 9/2/2020    | 0-1             | 66                      | 0.0             | 79.2                  |       | < 0.00103         |         | < 0.00517 |         | < 0.00258 |              | < 0.00672 |        | -                | < 0.102    |                  | 3.23   | J     | 12.2   | B     | 15.4  |
|           |             | 2-3             | 256                     | 0.0             | 674                   |       | < 0.00106         |         | < 0.00530 |         | < 0.00265 |              | < 0.00689 |        | -                | < 0.103    |                  | 2.35   | J     | 7.98   | B     | 10.3  |
|           |             | 4-5             | 145                     | -               | 238                   |       | < 0.00105         |         | < 0.00524 |         | < 0.00262 |              | < 0.00681 |        | -                | < 0.102    |                  | < 4.10 |       | < 4.10 |       | -     |
|           |             | 7-8             | 93                      | -               | 45.7                  |       | 0.000816          | J       | < 0.00563 |         | 0.00129   | J            | 0.00315   | J      | 0.005256         | < 0.106    |                  | < 4.25 |       | < 4.25 |       | -     |
| BH-20-10  | 9/2/2020    | 0-1             | 161                     | 0.0             | 41                    |       | < 0.00103         |         | 0.00569   |         | < 0.00259 |              | 0.00152   | J      | 0.00721          | < 0.102    |                  | 7.29   |       | 16.9   | B     | 24.2  |
|           |             | 2-3             | 334                     | 0.0             | 513                   |       | < 0.00105         |         | < 0.00523 |         | < 0.00261 |              | 0.00202   | J      | 0.00202          | < 0.102    |                  | 1.77   | J     | 6.37   | B     | 8.14  |
|           |             | 4-5             | 254                     | -               | 459                   |       | < 0.00106         |         | < 0.00529 |         | < 0.00265 |              | 0.00212   | J      | 0.00212          | < 0.103    |                  | < 4.12 |       | 1.36   | BJ    | 1.36  |
|           |             | 7-8             | 291                     | -               | 296                   |       | < 0.00105         |         | < 0.00526 |         | < 0.00263 |              | < 0.00683 |        | -                | < 0.103    |                  | < 4.10 |       | 0.498  | J     | 0.498 |
| BH-20-11  | 9/2/2020    | 0-1             | 149                     | 0.0             | 112                   |       | < 0.00105         |         | < 0.00523 |         | < 0.00261 |              | < 0.00680 |        | -                | 0.0584     |                  | 10.4   |       | 38.8   |       | 49.3  |
|           |             | 2-3             | 311                     | -               | 457                   |       | < 0.00105         |         | < 0.00527 |         | < 0.00264 |              | < 0.00685 |        | -                | < 0.103    |                  | 3.22   | J     | 5.43   |       | 8.65  |
|           |             | 4-5             | 73                      | -               | < 20.9                |       | < 0.00109         |         | < 0.00545 |         | < 0.00273 |              | < 0.00709 |        | -                | < 0.105    |                  | < 4.18 |       | 0.363  | J     | 0.36  |
|           |             | 7-8             | 49                      | -               | 15.7                  | J     | < 0.00102         |         | < 0.00508 |         | < 0.00254 |              | < 0.00661 |        | -                | < 0.101    |                  | < 4.03 |       | 1.28   | J     | 1.28  |
| BH-20-12  | 11/11/2020  | 0-1             | -                       | -               | 68.2                  |       | < 0.00105         |         | < 0.00526 |         | < 0.00263 |              | 0.00344   | J      | 0.00344          | 1.48       | J                | 5.60   |       | 32.9   |       | 40.0  |
| BH-20-13  | 11/11/2020  | 0-1             | -                       | -               | 43.2                  |       | < 0.00105         |         | < 0.00523 |         | < 0.00262 |              | 0.00165   | J      | 0.00165          | 2.19       | J                | 2.85   | J     | 22.3   |       | 27.3  |
|           |             | 1-2             | -                       | -               | < 20.6                |       | < 0.00106         |         | < 0.00530 |         | < 0.00265 |              | < 0.00689 |        | -                | < 0.103    |                  | 11.7   |       | 68.3   |       | 80.0  |
| BH-20-14  | 11/11/2020  | 0-1             | -                       | -               | 126                   |       | < 0.00105         |         | < 0.00526 |         | < 0.00263 |              | < 0.00684 |        | -                | 0.0290     | J                | 3.68   |       | 21.4   |       | 25.1  |

## 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 RRALs**

Shaded rows indicate depth intervals proposed for excavation and remediation.

- Method 300.0
- Method 8260B
- Method 8015
- Method 8015D/GRO

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

Form C-141  
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in  
accordance with 19.15.29 NMAC.

## Release Notification and Corrective Action

### OPERATOR

☒ Initial Report ☐ Final Report

|                                        |                                                                     |
|----------------------------------------|---------------------------------------------------------------------|
| Name of Company: <b>ConocoPhillips</b> | Contact: <b>Cullen Rosine</b>                                       |
| Address: <b>29 Vacuum Complex Lane</b> | Telephone No. <b>575-391-3133</b>                                   |
| Facility Name: <b>EVGSAU 3308-007</b>  | Facility Type: <b>Producing Well</b>                                |
| Surface Owner: <b>State</b>            | Mineral Owner: <b>N/A</b> <b>State</b> API No. <b>30-025- 32219</b> |

### LOCATION OF RELEASE

|                         |                      |                        |                     |               |                  |               |                |                      |
|-------------------------|----------------------|------------------------|---------------------|---------------|------------------|---------------|----------------|----------------------|
| Unit Letter<br><b>D</b> | Section<br><b>33</b> | Township<br><b>17S</b> | Range<br><b>35E</b> | Feet from the | North/South Line | Feet from the | East/West Line | County<br><b>Lea</b> |
|-------------------------|----------------------|------------------------|---------------------|---------------|------------------|---------------|----------------|----------------------|

Latitude 32.7968941 Longitude -103.468811

### NATURE OF RELEASE

|                                                                                                                                          |                                                            |                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------|------------------------------------------------------------|
| Type of Release: <b>Oil and Produced Water</b>                                                                                           | Volume of Release: <b>2 BBL Oil 28 BBL produced water</b>  | Volume Recovered: <b>12 BBL</b>                            |
| Source of Release: <b>Flow line</b>                                                                                                      | Date and Hour of Occurrence<br><b>May 30, 2018 6:00 AM</b> | Date and Hour of Discovery<br><b>May 30, 2018 11:00 AM</b> |
| Was Immediate Notice Given?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br><b>Olivia Yu</b>                       |                                                            |
| By Whom? <b>Cullen Rosine</b>                                                                                                            | Date and Hour: <b>5-31-2018 9:30 AM via email</b>          |                                                            |
| Was a Watercourse Reached?<br><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No                                        | If YES, Volume Impacting the Watercourse.                  |                                                            |
| If a Watercourse was Impacted, Describe Fully.*<br><b>N/A</b>                                                                            |                                                            |                                                            |

**RECEIVED**

**By Olivia Yu at 10:50 am, Jun 01, 2018**

Describe Cause of Problem and Remedial Action Taken. May 30, 2018 at 1100. Production specialist found a flowline leak that resulted in a 30 BBL release. 12 BBL were recovered. Spill site will be remediated per NMOCD guidelines.

Describe Area Affected and Cleanup Action Taken. \*

Area 1 – 90' x 60' x 1.5"

Area 2 – 129' x 36' x 1.5"

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.

|                                                           |  |                                                                                                                             |                                              |
|-----------------------------------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------|
| Signature: <i>Cullen Rosine</i>                           |  | <b>OIL CONSERVATION DIVISION</b>                                                                                            |                                              |
| Printed Name: <b>Cullen Rosine</b>                        |  | Approved by Environmental Specialist:  |                                              |
| Title: <b>HSE Specialist</b>                              |  | Approval Date: <b>6-1-2018</b> Date:                                                                                        |                                              |
| E-mail Address: <b>Cullen.J.Rosine@conocophillips.com</b> |  | Conditions of Approval:<br><b>See attached directive</b>                                                                    | Attached <input checked="" type="checkbox"/> |
| Date: <b>5-31-2018</b> Phone: <b>575-391-3133</b>         |  |                                                                                                                             |                                              |

\* Attach Additional Sheets If Necessary

**nOY1815239274**

**pOY1815241028**

**1RP-5079**

|                |               |
|----------------|---------------|
| Incident ID    | nOY1815239274 |
| District RP    | 1RP-5079      |
| Facility ID    |               |
| Application ID | pOY1815241028 |

## 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?                                                                                                           | _____ 80_ (ft bgs)                                                  |
| Did this release impact groundwater or surface water?                                                                                                                                           | <input type="checkbox"/> Yes <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No |
| Are the lateral extents of the release within 300 feet of a wetland?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying a subsurface mine?                                                                                                                             | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release overlying an unstable area such as karst geology?                                                                                                        | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Are the lateral extents of the release within a 100-year floodplain?                                                                                                                            | <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No |
| Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?                                                                                            | <input type="checkbox"/> Yes <input checked="" 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    | nOY1815239274 |
| District RP    | 1RP-5079      |
| Facility ID    |               |
| Application ID | pOY1815241028 |

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: Marvin Soriwei Title: Program Manager, Risk Management & RemediationSignature:  Date: 1/12/2021email: marvin.soriwei@conocophillips.com Telephone: 8324862730**OCD Only**Received by: Cristina Eads Date: 01/12/2021



|                |               |
|----------------|---------------|
| Incident ID    | nOY1815239274 |
| District RP    | 1RP-5079      |
| Facility ID    |               |
| Application ID | pOY1815241028 |

## Remediation Plan

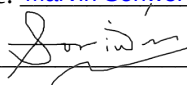
**Remediation Plan Checklist:** Each of the following items must be included in the plan.

- ☒ Detailed description of proposed remediation technique
- ☒ Scaled sitemap with GPS coordinates showing delineation points
- ☒ Estimated volume of material to be remediated
- ☒ Closure criteria is to Table 1 specifications subject to 19.15.29.12(C)(4) NMAC
- ☒ Proposed schedule for remediation (note if remediation plan timeline is more than 90 days OCD approval is required)

**Deferral Requests Only:** Each of the following items must be confirmed as part of any request for deferral of remediation.

- ☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.
- ☐ Extents of contamination must be fully delineated.
- ☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

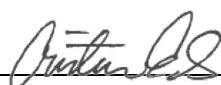
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public 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: Marvin Soriwei Title: Program Manager, Risk Management & Remediation  
Signature:  Date: 1/12/2021  
email: marvin.soriwei@conocophillips.com Telephone: 8324862730

**OCD Only**

Received by: Cristina Eads Date: 01/12/2021

☒ Approved ☐ Approved with Attached Conditions of Approval ☐ Denied ☐ Deferral Approved

Signature:  Date: 03/23/2021

## **APPENDIX B**

### **Site Characterization Data**



# 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 |
|----------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">L 04829 S5</a> | L            | LE    |        | 3    | 1    | 33  | 17S | 35E |     | 643347 | 3629400* | 148      | 220        | 90          | 130          |
| <a href="#">L 04880</a>    | L            | LE    |        | 2    | 3    | 33  | 17S | 35E |     | 643757 | 3629002* | 711      | 145        | 90          | 55           |
| <a href="#">L 04578</a>    | L            | LE    |        |      |      | 33  | 17S | 35E |     | 643962 | 3629198* | 795      | 126        | 60          | 66           |

Average Depth to Water: **80 feet**

Minimum Depth: **60 feet**

Maximum Depth: **90 feet**

Record Count: 3

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 643209.97

**Northing (Y):** 3629457.14

**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.

11/30/20 12:35 PM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER



# Karst Potential Map

EVGSAU 3308-007 Release

## Legend

-  EVGSAU 3308-007
-  High
-  Low
-  Medium

Lovington

EVGSAU 3308-007 

Hobbs

Google Earth

© 2018 Google

Imagery Landsat / Copernicus

Released to Imaging: 3/23/2021 4:38:24 PM



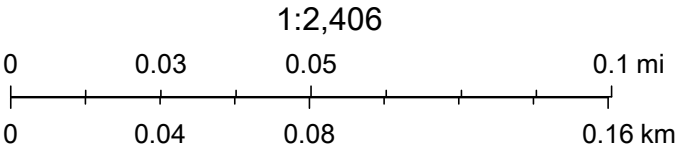
20 mi

# NMOCD Water Bodies



12/9/2020, 11:01:43 AM

- Override 1
- PLSS Second Division
- PLJV Probable Playas
- PLSS First Division
- OSE Water-bodies
- OSE Streams



Bureau of Land Management, Texas Parks & Wildlife, Esri, HERE, Garmin, INCREMENT P, USGS, EPA, USDA, BLM

## **APPENDIX C**

### **Laboratory Analytical Data**





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

---

October 17, 2018

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: EVGSAU 3308-007

Enclosed are the results of analyses for samples received by the laboratory on 10/12/18 13:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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](http://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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

|                   |                 |                     |                |
|-------------------|-----------------|---------------------|----------------|
| Received:         | 10/12/2018      | Sampling Date:      | 10/11/2018     |
| Reported:         | 10/17/2018      | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3308-007 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN      | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA COUNTY, NM  |                     |                |

**Sample ID: SP # 1 - 1' (H802938-01)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEX     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.8-142

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1060   | 16.0            | 10/17/2018 | ND              | 416 | 104        | 400           | 3.77 |           |

| 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            | 10/15/2018 | ND              | 202 | 101        | 200           | 11.1 |           |
| DRO >C10-C28*    | 21.7   | 10.0            | 10/15/2018 | ND              | 211 | 106        | 200           | 7.80 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/15/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.9 % 37.6-147

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\*=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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 1 - 3' (H802938-02)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |  |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |  |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 560    | 16.0            | 10/17/2018 | ND              | 416 | 104        | 400           | 3.77 |           |

| 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            | 10/15/2018 | ND              | 202 | 101        | 200           | 11.1 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/15/2018 | ND              | 211 | 106        | 200           | 7.80 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/15/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 95.7 % 41-142

Surrogate: 1-Chlorooctadecane 89.4 % 37.6-147

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**Analytical Results For:**

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

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 1 - 5' (H802938-03)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |  |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |  |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.6 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 10/17/2018 | ND              | 416 | 104        | 400           | 3.77 |           |

| 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            | 10/15/2018 | ND              | 202 | 101        | 200           | 11.1 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/15/2018 | ND              | 211 | 106        | 200           | 7.80 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/15/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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**Analytical Results For:**

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

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 1 - 8' (H802938-04)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.8 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1630   | 16.0            | 10/17/2018 | ND              | 416 | 104        | 400           | 3.77 |           |

| 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            | 10/15/2018 | ND              | 202 | 101        | 200           | 11.1 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/15/2018 | ND              | 211 | 106        | 200           | 7.80 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/15/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.9 % 41-142

Surrogate: 1-Chlorooctadecane 88.2 % 37.6-147

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**Analytical Results For:**

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

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 2 - 1' (H802938-05)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.1 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 5280   | 16.0            | 10/17/2018 | ND              | 416 | 104        | 400           | 3.77 |           |

| 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            | 10/16/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | 230    | 10.0            | 10/16/2018 | ND              | 192 | 96.0       | 200           | 1.32 | QR-03     |
| EXT DRO >C28-C36 | 74.3   | 10.0            | 10/16/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 84.3 % 41-142

Surrogate: 1-Chlorooctadecane 94.5 % 37.6-147

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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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 2 - 3' (H802938-06)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1540   | 16.0            | 10/17/2018 | ND              | 416 | 104        | 400           | 3.77 |           |

| 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            | 10/15/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | 84.7   | 10.0            | 10/15/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | 12.1   | 10.0            | 10/15/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.8 % 41-142

Surrogate: 1-Chlorooctadecane 94.2 % 37.6-147

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\*=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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 2 - 5' (H802938-07)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.5 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2480   | 16.0            | 10/17/2018 | ND              | 416 | 104        | 400           | 3.77 |           |

| 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            | 10/15/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/15/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/15/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.0 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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\*=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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 2 - 8' (H802938-08)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4640   | 16.0            | 10/17/2018 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| 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            | 10/16/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/16/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/16/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 87.0 % 37.6-147

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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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 3 - 1' (H802938-09)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 560    | 16.0            | 10/17/2018 | ND              | 400 | 100        | 400           | 3.92 | QM-07     |

| 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            | 10/16/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/16/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/16/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.4 % 41-142

Surrogate: 1-Chlorooctadecane 94.5 % 37.6-147

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

**Analytical Results For:**

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

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 3 - 3' (H802938-10)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 240    | 16.0            | 10/17/2018 | ND              | 400 | 100        | 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            | 10/16/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/16/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/16/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.0 % 41-142

Surrogate: 1-Chlorooctadecane 92.9 % 37.6-147

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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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 3 - 5' (H802938-11)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2600   | 16.0            | 10/17/2018 | ND              | 400 | 100        | 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            | 10/16/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/16/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/16/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.7 % 41-142

Surrogate: 1-Chlorooctadecane 91.2 % 37.6-147

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

**Analytical Results For:**

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

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 3 - 8' (H802938-12)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2000   | 16.0            | 10/17/2018 | ND              | 400 | 100        | 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            | 10/16/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | 10.4   | 10.0            | 10/16/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/16/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 85.5 % 41-142

Surrogate: 1-Chlorooctadecane 88.3 % 37.6-147

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**Analytical Results For:**

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

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 4 - 1' (H802938-13)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.5 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 4120   | 16.0            | 10/17/2018 | ND              | 400 | 100        | 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            | 10/16/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/16/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/16/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.8 % 41-142

Surrogate: 1-Chlorooctadecane 95.1 % 37.6-147

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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 4 - 3' (H802938-14)**

| 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           | 10/16/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/16/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/16/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/16/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/16/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2080   | 16.0            | 10/17/2018 | ND              | 400 | 100        | 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            | 10/16/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/16/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/16/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.7 % 41-142

Surrogate: 1-Chlorooctadecane 81.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 4 - 5' (H802938-15)**

| 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           | 10/17/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/17/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/17/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/17/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/17/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 98.1 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 288    | 16.0            | 10/17/2018 | ND              | 400 | 100        | 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            | 10/16/2018 | ND              | 200 | 100        | 200           | 3.41 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/16/2018 | ND              | 192 | 96.0       | 200           | 1.32 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/16/2018 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.5 % 41-142

Surrogate: 1-Chlorooctadecane 90.0 % 37.6-147

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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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 10/12/2018  
 Reported: 10/17/2018  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 10/11/2018  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 4 - 8' (H802938-16)**

| 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           | 10/17/2018 | ND              | 2.34 | 117        | 2.00          | 2.35  |           |
| Toluene*       | <0.050 | 0.050           | 10/17/2018 | ND              | 2.18 | 109        | 2.00          | 2.14  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 10/17/2018 | ND              | 2.20 | 110        | 2.00          | 0.294 |           |
| Total Xylenes* | <0.150 | 0.150           | 10/17/2018 | ND              | 6.47 | 108        | 6.00          | 0.785 |           |
| Total BTEx     | <0.300 | 0.300           | 10/17/2018 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 69.8-142

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 208    | 16.0            | 10/17/2018 | ND              | 400 | 100        | 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            | 10/16/2018 | ND              | 184 | 92.1       | 200           | 1.17  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/16/2018 | ND              | 202 | 101        | 200           | 0.853 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/16/2018 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 98.1 % 41-142

Surrogate: 1-Chlorooctadecane 97.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

|       |                                                                                                                                                                                         |
|-------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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. |
| 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<br>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





02 jo 02 ebgd

# **CARDINAL LABORATORIES**

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

Page \_\_\_\_ of \_\_\_\_

**BILL TO****ANALYSIS REQUEST**

P.O. #:

Company: *COITC*

Attn:

Address:

City:

State:

Phone #:

Fax #:

Company Name: *Concepcion*Project Manager: *Justin Wright*

Address:

City: *Hobbs*Phone #: *575-631-9090*

Project #:

Project Name: *EVISAU 3308-007*Project Location: *Lea County, NM*Sample Name: *Washburnright*

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER:

ACID/BASE:

ICE / COOL

OTHER:

DATE TIME

*Chlorides**BTEX**Benzene**TPH- Extended*

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Terms and Conditions: Interest will be charged on all accounts more than 30 days past due at the rate of 24% per annum from the original date of invoice, and all costs of collections, including attorney's fees.

Sampler Relinquished:

Date: *12-12-18*Received By: *Amara*Time: *1:00 PM*Date: *12-12-18*Received By: *Amara*Relinquished By: *Amara*

Time:

Delivered By: (Circle One)

Temp.

Sample Condition

CHECKED BY: (Initials)

Sampler - UPS - Bus - Other:

*-0.1c**#97*☒ Yes ☐ No*70*

\* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.

REMARKS:

Phone Result: ☐

No Add'l Phone #:

Fax Result: ☐

Add'l Fax #:



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

---

May 06, 2019

JUSTIN WRIGHT

Conoco Phillips - Hobbs

P. O. BOX 325

Hobbs, NM 88240

RE: EVGSAU 3308-007

Enclosed are the results of analyses for samples received by the laboratory on 05/02/19 15:26.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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](http://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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

|                   |                 |                     |                |
|-------------------|-----------------|---------------------|----------------|
| Received:         | 05/02/2019      | Sampling Date:      | 04/30/2019     |
| Reported:         | 05/06/2019      | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3308-007 | Sampling Condition: | Cool & Intact  |
| Project Number:   | NONE GIVEN      | Sample Received By: | Tamara Oldaker |
| Project Location: | LEA COUNTY, NM  |                     |                |

**Sample ID: SP # 1 - 1' (H901591-01)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 944    | 16.0            | 05/06/2019 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: SP # 1 - 5' (H901591-02)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 640    | 16.0            | 05/06/2019 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: SP # 1 - 8' (H901591-03)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 256    | 16.0            | 05/06/2019 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: SP # 2 - 1' (H901591-04)**

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 688    | 16.0            | 05/06/2019 | ND              | 416 | 104        | 400           | 3.92 |           |

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\*=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  
 JUSTIN WRIGHT  
 P. O. BOX 325  
 Hobbs NM, 88240  
 Fax To: (575) 297-1477

Received: 05/02/2019  
 Reported: 05/06/2019  
 Project Name: EVGSAU 3308-007  
 Project Number: NONE GIVEN  
 Project Location: LEA COUNTY, NM

Sampling Date: 04/30/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SP # 2 - 5' (H901591-05)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 160    | 16.0            | 05/06/2019 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: SP # 2 - 8' (H901591-06)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 304    | 16.0            | 05/06/2019 | ND              | 416 | 104        | 400           | 3.92 |           |  |

**Sample ID: SP # 3 - 1' (H901591-07)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3560   | 16.0            | 05/06/2019 | ND              | 416 | 104        | 400           | 3.92 |           |

**Sample ID: SP # 3 - 5' (H901591-08)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 5360   | 16.0            | 05/06/2019 | ND              | 416 | 104        | 400           | 3.92 |           |  |

**Sample ID: SP # 3 - 8' (H901591-09)**

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2280   | 16.0            | 05/06/2019 | ND              | 416 | 104        | 400           | 3.92 |           |  |

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

|     |                                                                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

---

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\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager

5 of 5 Page

# ARDINAL LABORATORIES

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

Page \_\_\_\_ of \_\_\_\_

|                                          |  |                         |  |
|------------------------------------------|--|-------------------------|--|
| Company Name: <u>Concepcion Phillips</u> |  | P.O. #: _____           |  |
| Project Manager: <u>Justin Wright</u>    |  | Company: <u>COPC</u>    |  |
| Address: _____                           |  | Attn: _____             |  |
| City: <u>Hobbs</u>                       |  | Address: _____          |  |
| Phone #: <u>575-631-9092</u>             |  | City: _____             |  |
| Project #: _____                         |  | State: _____ Zip: _____ |  |
| Project Name: <u>EUGSAU 3308-007</u>     |  | Phone #: _____          |  |
| Project Location: <u>Lea County, NM</u>  |  | Fax #: _____            |  |
| Sample Name: <u>Justin Wright</u>        |  | PRESERV. SAMPLING       |  |
| FOR LAB USE ONLY                         |  |                         |  |

| Lab I.D.       | Sample I.D.    | (G)RAB OR (C)OMP. | # CONTAINERS | MATRIX             | ACID/BASE: | ICE / COOL | OTHER:   | DATE        | TIME     | ANALYSIS REQUEST |
|----------------|----------------|-------------------|--------------|--------------------|------------|------------|----------|-------------|----------|------------------|
| <u>H901591</u> | <u>SP#1-1'</u> | <u>G</u>          | <u>1</u>     | <u>GROUNDWATER</u> | <u>✓</u>   | <u>✓</u>   | <u>✓</u> | <u>4-30</u> | <u>✓</u> | <u>Chlorides</u> |
|                | <u>SP#1-5'</u> | <u>G</u>          | <u>1</u>     | <u>WASTEWATER</u>  | <u>✓</u>   | <u>✓</u>   | <u>✓</u> | <u>4-30</u> | <u>✓</u> |                  |
|                | <u>SP#1-8'</u> | <u>G</u>          | <u>1</u>     | <u>SOIL</u>        | <u>✓</u>   | <u>✓</u>   | <u>✓</u> | <u>4-30</u> | <u>✓</u> |                  |
|                | <u>SP#2-1'</u> | <u>G</u>          | <u>1</u>     | <u>OIL</u>         | <u>✓</u>   | <u>✓</u>   | <u>✓</u> | <u>4-30</u> | <u>✓</u> |                  |
|                | <u>SP#2-5'</u> | <u>G</u>          | <u>1</u>     | <u>SLUDGE</u>      | <u>✓</u>   | <u>✓</u>   | <u>✓</u> | <u>4-30</u> | <u>✓</u> |                  |
|                | <u>SP#2-8'</u> | <u>G</u>          | <u>1</u>     | <u>OTHER:</u>      | <u>✓</u>   | <u>✓</u>   | <u>✓</u> | <u>4-30</u> | <u>✓</u> |                  |
|                | <u>SP#3-1'</u> | <u>G</u>          | <u>1</u>     | <u>ACID/BASE:</u>  | <u>✓</u>   | <u>✓</u>   | <u>✓</u> | <u>4-30</u> | <u>✓</u> |                  |
|                | <u>SP#3-5'</u> | <u>G</u>          | <u>1</u>     | <u>ICE / COOL</u>  | <u>✓</u>   | <u>✓</u>   | <u>✓</u> | <u>4-30</u> | <u>✓</u> |                  |
|                | <u>SP#3-8'</u> | <u>G</u>          | <u>1</u>     | <u>OTHER:</u>      | <u>✓</u>   | <u>✓</u>   | <u>✓</u> | <u>4-30</u> | <u>✓</u> |                  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                           |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|
| PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. |                                                                                                                           |
| Sampler Relinquished: _____<br>Date: <u>5-2-19</u><br>Time: <u>3:30pm</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Received By: <u>Jaruna Sletky</u><br>Date: _____<br>Time: _____                                                           |
| Relinquished By: _____<br>Date: _____<br>Time: _____                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Temp. _____<br>Sample Condition: <u>COOL</u> <u>INTACT</u><br>Checked By: _____<br>(Initials)                             |
| Delivered By: (Circle One)<br>Sampler - UPS - Bus - Other: <u>-0.9°C #97</u>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | REMARKS: _____<br>Phone Result: <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:<br>Add'l Fax #: _____ |

\* Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476.





## ANALYTICAL REPORT

October 24, 2019

**ConocoPhillips - Tetra Tech**

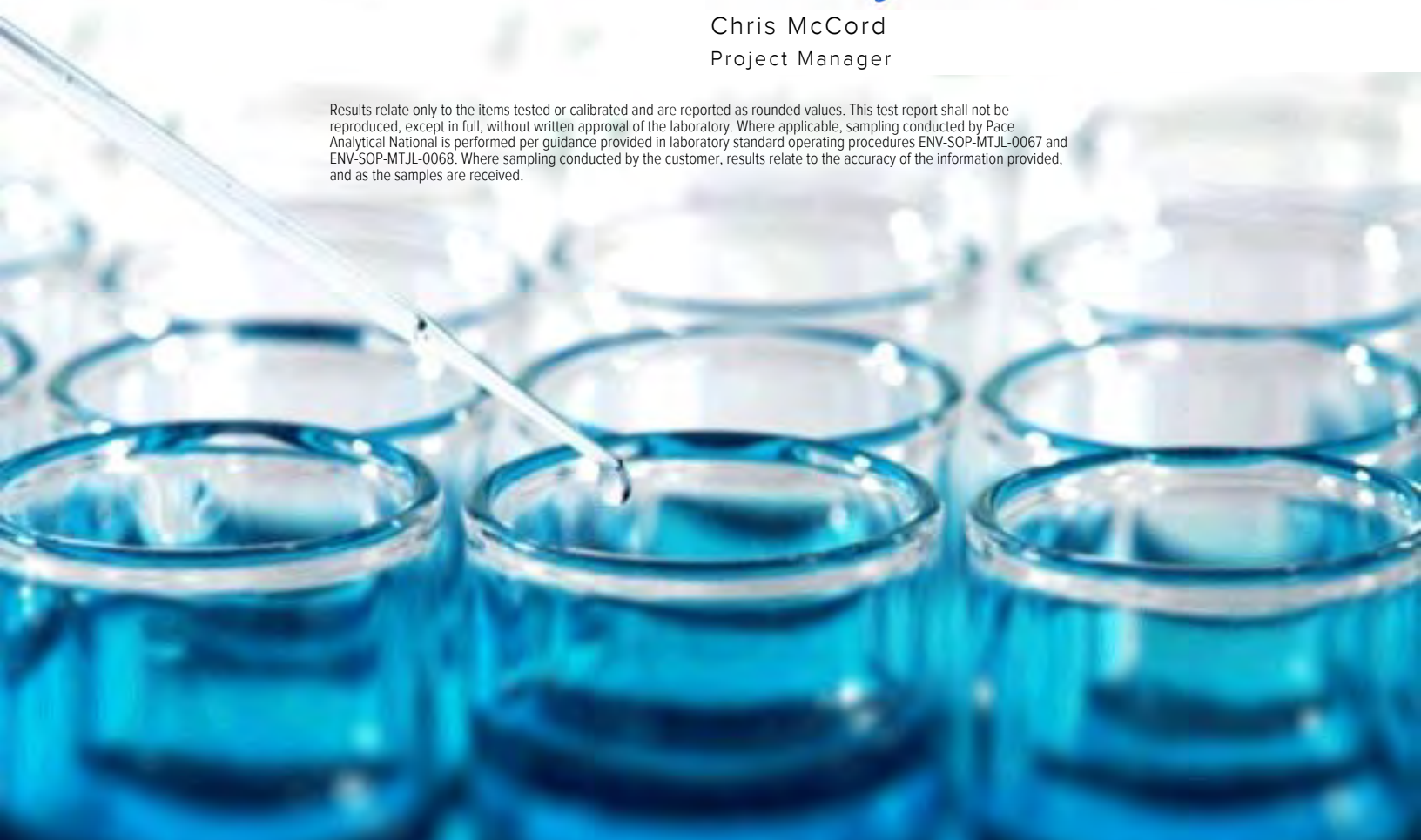
Sample Delivery Group: L1150129  
Samples Received: 10/15/2019  
Project Number: 212C-MD-01929  
Description: COP EVGSAU 3308-007

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

Entire Report Reviewed By:

Chris McCord  
Project Manager

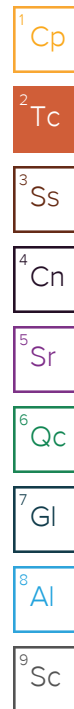
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory 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.



|                              |           |
|------------------------------|-----------|
| <b>Cp: Cover Page</b>        | <b>1</b>  |
| <b>Tc: Table of Contents</b> | <b>2</b>  |
| <b>Ss: Sample Summary</b>    | <b>4</b>  |
| <b>Cn: Case Narrative</b>    | <b>13</b> |
| <b>Sr: Sample Results</b>    | <b>14</b> |
| BH-1 (0'-1') L1150129-01     | 14        |
| BH-1 (2'-3') L1150129-02     | 15        |
| BH-1 (4'-5') L1150129-03     | 16        |
| BH-1 (6'-7') L1150129-04     | 17        |
| BH-1 (9'-10') L1150129-05    | 18        |
| BH-2 (0'-1') L1150129-06     | 19        |
| BH-2 (2'-3') L1150129-07     | 20        |
| BH-2 (4'-5') L1150129-08     | 21        |
| BH-2 (6'-7') L1150129-09     | 22        |
| BH-2 (9'-10') L1150129-10    | 23        |
| BH-2 (14'-15') L1150129-11   | 24        |
| BH-3 (0'-1') L1150129-12     | 25        |
| BH-3 (2'-3') L1150129-13     | 26        |
| BH-3 (4'-5') L1150129-14     | 27        |
| BH-3 (6'-7') L1150129-15     | 28        |
| BH-3 (9'-10') L1150129-16    | 29        |
| BH-4 (0'-1') L1150129-17     | 30        |
| BH-4 (2'-3') L1150129-18     | 31        |
| BH-4 (4'-5') L1150129-19     | 32        |
| BH-4 (6'-7') L1150129-20     | 33        |
| BH-4 (9'-10') L1150129-21    | 34        |
| BH-4 (14'-15') L1150129-22   | 35        |
| BH-5 (0'-1') L1150129-23     | 36        |
| BH-5 (2'-3') L1150129-24     | 37        |
| BH-5 (4'-5') L1150129-25     | 38        |
| BH-5 (6'-7') L1150129-26     | 39        |
| BH-5 (9'-10') L1150129-27    | 40        |
| BH-5 (14'-15') L1150129-28   | 41        |
| BH-6 (0'-1') L1150129-29     | 42        |
| BH-6 (2'-3') L1150129-30     | 43        |
| BH-6 (4'-5') L1150129-31     | 44        |
| BH-7 (0'-1') L1150129-32     | 45        |
| BH-7 (2'-3') L1150129-33     | 46        |
| BH-7 (4'-5') L1150129-34     | 47        |
| BH-7 (6'-7') L1150129-35     | 48        |

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

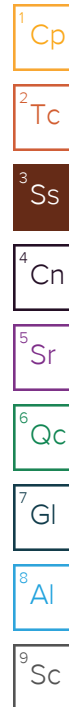
|                                                     |           |
|-----------------------------------------------------|-----------|
| BH-7 (9'-10') L1150129-36                           | 49        |
| BH-7 (14'-15') L1150129-37                          | 50        |
| BH-8 (0'-1') L1150129-38                            | 51        |
| BH-8 (2'-3') L1150129-39                            | 52        |
| BH-8 (4'-5') L1150129-40                            | 53        |
| BH-8 (6'-7') L1150129-41                            | 54        |
| BH-8 (9'-10') L1150129-42                           | 55        |
| BH-8 (14'-15') L1150129-43                          | 56        |
| <b>Qc: Quality Control Summary</b>                  | <b>57</b> |
| Total Solids by Method 2540 G-2011                  | 57        |
| Wet Chemistry by Method 300.0                       | 62        |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 65        |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 71        |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 75        |
| <b>Gl: Glossary of Terms</b>                        | <b>78</b> |
| <b>Al: Accreditations &amp; Locations</b>           | <b>80</b> |
| <b>Sc: Sample Chain of Custody</b>                  | <b>81</b> |



## BH-1 (0'-1') L1150129-01 Solid

Collected by JT  
Collected date/time 10/09/19 10:30  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367010 | 1        | 10/23/19 13:23        | 10/23/19 13:32     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 5        | 10/17/19 00:15        | 10/17/19 12:54     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364933 | 1.01     | 10/16/19 08:13        | 10/19/19 15:15     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 1.01     | 10/16/19 08:13        | 10/23/19 15:30     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 02:34     | KME     | Mt. Juliet, TN |



## BH-1 (2'-3') L1150129-02 Solid

Collected by JT  
Collected date/time 10/09/19 10:40  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367010 | 1        | 10/23/19 13:23        | 10/23/19 13:32     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 13:09     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364933 | 1        | 10/16/19 08:13        | 10/19/19 15:35     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 1        | 10/16/19 08:13        | 10/23/19 15:50     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 00:09     | KME     | Mt. Juliet, TN |

## BH-1 (4'-5') L1150129-03 Solid

Collected by JT  
Collected date/time 10/09/19 10:50  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367010 | 1        | 10/23/19 13:23        | 10/23/19 13:32     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 14:34     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364933 | 1        | 10/16/19 08:13        | 10/19/19 15:55     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 1        | 10/16/19 08:13        | 10/23/19 16:10     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 00:22     | KME     | Mt. Juliet, TN |

## BH-1 (6'-7') L1150129-04 Solid

Collected by JT  
Collected date/time 10/09/19 11:00  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367010 | 1        | 10/23/19 13:23        | 10/23/19 13:32     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 14:49     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364933 | 1        | 10/16/19 08:13        | 10/19/19 16:16     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 1.01     | 10/16/19 08:13        | 10/23/19 16:29     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 00:35     | KME     | Mt. Juliet, TN |

## BH-1 (9'-10') L1150129-05 Solid

Collected by JT  
Collected date/time 10/09/19 11:10  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 15:05     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364945 | 1.02     | 10/16/19 08:13        | 10/18/19 13:30     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 1        | 10/16/19 08:13        | 10/23/19 16:49     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 00:49     | KME     | Mt. Juliet, TN |



## BH-2 (0'-1') L1150129-06 Solid

Collected by JT  
Collected date/time 10/09/19 11:30  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 100      | 10/17/19 00:15        | 10/17/19 16:07     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364945 | 1        | 10/16/19 08:13        | 10/18/19 14:04     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 1        | 10/16/19 08:13        | 10/23/19 17:08     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 20       | 10/18/19 15:53        | 10/19/19 03:26     | KME     | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-2 (2'-3') L1150129-07 Solid

Collected by JT  
Collected date/time 10/09/19 11:40  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 5        | 10/17/19 00:15        | 10/17/19 16:22     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 100      | 10/16/19 08:13        | 10/19/19 23:42     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 8        | 10/16/19 08:13        | 10/23/19 21:39     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 20       | 10/18/19 15:53        | 10/19/19 03:39     | KME     | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## BH-2 (4'-5') L1150129-08 Solid

Collected by JT  
Collected date/time 10/09/19 11:50  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 16:37     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364945 | 1.02     | 10/16/19 08:13        | 10/18/19 14:26     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 1        | 10/16/19 08:13        | 10/23/19 17:28     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 01:02     | KME     | Mt. Juliet, TN |

<sup>9</sup> Sc

## BH-2 (6'-7') L1150129-09 Solid

Collected by JT  
Collected date/time 10/09/19 12:00  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 16:53     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364945 | 1        | 10/16/19 08:13        | 10/18/19 15:50     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 1        | 10/16/19 08:13        | 10/23/19 17:47     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 01:15     | KME     | Mt. Juliet, TN |

## BH-2 (9'-10') L1150129-10 Solid

Collected by JT  
Collected date/time 10/09/19 12:10  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 5        | 10/17/19 00:15        | 10/17/19 17:39     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364945 | 1        | 10/16/19 08:13        | 10/18/19 16:12     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367577 | 1        | 10/16/19 08:13        | 10/23/19 18:06     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 01:28     | KME     | Mt. Juliet, TN |

## BH-2 (14'-15') L1150129-11 Solid

Collected by JT  
Collected date/time 10/09/19 12:20  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 17:55     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364945 | 1        | 10/16/19 08:13        | 10/18/19 16:58     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 12:49     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 01:41     | KME     | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-3 (0'-1') L1150129-12 Solid

Collected by JT  
Collected date/time 10/09/19 12:40  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 5        | 10/17/19 00:15        | 10/17/19 18:10     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364945 | 1        | 10/16/19 08:13        | 10/18/19 17:21     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 13:10     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 03:13     | KME     | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## BH-3 (2'-3') L1150129-13 Solid

Collected by JT  
Collected date/time 10/09/19 12:50  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 5        | 10/17/19 00:15        | 10/17/19 18:26     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364945 | 1        | 10/16/19 08:13        | 10/18/19 18:07     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 13:30     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 01:54     | KME     | Mt. Juliet, TN |

<sup>9</sup> Sc

## BH-3 (4'-5') L1150129-14 Solid

Collected by JT  
Collected date/time 10/09/19 13:00  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367011 | 1        | 10/23/19 15:59        | 10/23/19 16:08     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 18:41     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1.01     | 10/16/19 08:13        | 10/20/19 12:00     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 13:51     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 02:08     | KME     | Mt. Juliet, TN |

## BH-3 (6'-7') L1150129-15 Solid

Collected by JT  
Collected date/time 10/09/19 13:10  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 18:56     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1.01     | 10/16/19 08:13        | 10/20/19 12:24     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 14:12     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365477 | 1        | 10/18/19 15:53        | 10/19/19 02:21     | KME     | Mt. Juliet, TN |

## BH-3 (9'-10') L1150129-16 Solid

Collected by JT  
Collected date/time 10/09/19 13:20  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1363957 | 1        | 10/17/19 00:15        | 10/17/19 19:12     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1        | 10/16/19 08:13        | 10/20/19 12:48     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1.01     | 10/16/19 08:13        | 10/23/19 14:32     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 10:25     | KME     | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-4 (0'-1') L1150129-17 Solid

Collected by JT  
Collected date/time 10/09/19 13:30  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 03:44     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1        | 10/16/19 08:13        | 10/20/19 13:12     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 14:53     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 12:11     | KME     | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## BH-4 (2'-3') L1150129-18 Solid

Collected by JT  
Collected date/time 10/09/19 13:40  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 03:53     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1.01     | 10/16/19 08:13        | 10/20/19 13:36     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 15:14     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 10:38     | KME     | Mt. Juliet, TN |

<sup>9</sup> Sc

## BH-4 (4'-5') L1150129-19 Solid

Collected by JT  
Collected date/time 10/09/19 13:50  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 04:12     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1        | 10/16/19 08:13        | 10/20/19 14:00     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 15:34     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 11:17     | KME     | Mt. Juliet, TN |

## BH-4 (6'-7') L1150129-20 Solid

Collected by JT  
Collected date/time 10/09/19 14:00  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 04:21     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1.01     | 10/16/19 08:13        | 10/20/19 14:25     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 15:55     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 11:30     | KME     | Mt. Juliet, TN |

## BH-4 (9'-10') L1150129-21 Solid

Collected by JT  
Collected date/time 10/09/19 14:10  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 04:31     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1        | 10/16/19 08:13        | 10/20/19 14:49     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 09:21     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 11:43     | KME     | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-4 (14'-15') L1150129-22 Solid

Collected by JT  
Collected date/time 10/09/19 14:20  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 04:40     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1        | 10/16/19 08:13        | 10/20/19 15:13     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:13        | 10/23/19 09:42     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 11:56     | KME     | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## BH-5 (0'-1') L1150129-23 Solid

Collected by JT  
Collected date/time 10/09/19 14:30  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 04:50     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364943 | 1        | 10/16/19 08:32        | 10/19/19 09:04     | JHH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:32        | 10/23/19 10:03     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 5        | 10/18/19 19:26        | 10/19/19 14:22     | KME     | Mt. Juliet, TN |

<sup>9</sup> Sc

## BH-5 (2'-3') L1150129-24 Solid

Collected by JT  
Collected date/time 10/09/19 14:40  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367012 | 1        | 10/23/19 15:48        | 10/23/19 15:58     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 05:38     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364943 | 1        | 10/16/19 08:32        | 10/19/19 09:28     | JHH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:32        | 10/23/19 10:24     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 12:24     | KME     | Mt. Juliet, TN |

## BH-5 (4'-5') L1150129-25 Solid

Collected by JT  
Collected date/time 10/09/19 14:50  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 5        | 10/18/19 01:10        | 10/18/19 05:47     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1364943 | 1.01     | 10/16/19 08:32        | 10/19/19 10:16     | JHH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:32        | 10/23/19 10:44     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 12:37     | KME     | Mt. Juliet, TN |



## BH-5 (6'-7') L1150129-26 Solid

Collected by JT  
Collected date/time 10/09/19 15:00  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 05:57     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1        | 10/16/19 08:32        | 10/20/19 15:37     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:32        | 10/23/19 11:05     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 12:50     | KME     | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-5 (9'-10') L1150129-27 Solid

Collected by JT  
Collected date/time 10/09/19 15:10  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 06:06     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1        | 10/16/19 08:32        | 10/20/19 16:01     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:32        | 10/23/19 11:26     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 13:03     | KME     | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## BH-5 (14'-15') L1150129-28 Solid

Collected by JT  
Collected date/time 10/09/19 15:20  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 06:16     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365975 | 1.01     | 10/16/19 08:32        | 10/20/19 16:25     | JAH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:32        | 10/23/19 11:46     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 13:16     | KME     | Mt. Juliet, TN |

<sup>9</sup> Sc

## BH-6 (0'-1') L1150129-29 Solid

Collected by JT  
Collected date/time 10/09/19 15:30  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 06:25     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365550 | 1        | 10/16/19 08:32        | 10/20/19 17:25     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:32        | 10/23/19 12:07     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 5        | 10/18/19 19:26        | 10/19/19 14:35     | KME     | Mt. Juliet, TN |

## BH-6 (2'-3') L1150129-30 Solid

Collected by JT  
Collected date/time 10/09/19 15:40  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 5        | 10/18/19 01:10        | 10/18/19 06:35     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365550 | 1        | 10/16/19 08:32        | 10/20/19 17:47     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367888 | 1        | 10/16/19 08:32        | 10/23/19 12:28     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 13:55     | KME     | Mt. Juliet, TN |

## BH-6 (4'-5') L1150129-31 Solid

Collected by JT  
Collected date/time 10/09/19 15:50  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 06:44     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365550 | 1.01     | 10/16/19 08:32        | 10/20/19 18:10     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1367938 | 1        | 10/16/19 08:32        | 10/23/19 13:30     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 13:29     | KME     | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-7 (0'-1') L1150129-32 Solid

Collected by JT  
Collected date/time 10/10/19 10:00  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 10       | 10/18/19 01:10        | 10/18/19 07:22     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1.01     | 10/16/19 08:32        | 10/20/19 00:02     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1        | 10/16/19 08:32        | 10/24/19 09:53     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 5        | 10/18/19 19:26        | 10/19/19 14:48     | KME     | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## BH-7 (2'-3') L1150129-33 Solid

Collected by JT  
Collected date/time 10/10/19 10:10  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 10       | 10/18/19 01:10        | 10/18/19 07:32     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1        | 10/16/19 08:32        | 10/20/19 00:23     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1.01     | 10/16/19 08:32        | 10/24/19 10:11     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365512 | 1        | 10/18/19 19:26        | 10/19/19 13:42     | KME     | Mt. Juliet, TN |

<sup>9</sup> Sc

## BH-7 (4'-5') L1150129-34 Solid

Collected by JT  
Collected date/time 10/10/19 10:20  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367013 | 1        | 10/23/19 15:34        | 10/23/19 15:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 07:41     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1.01     | 10/16/19 08:32        | 10/20/19 00:44     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1        | 10/16/19 08:32        | 10/24/19 10:30     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 10:34     | FM      | Mt. Juliet, TN |

## BH-7 (6'-7') L1150129-35 Solid

Collected by JT  
Collected date/time 10/10/19 10:30  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367014 | 1        | 10/23/19 15:20        | 10/23/19 15:31     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 07:51     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1        | 10/16/19 08:32        | 10/20/19 01:04     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1        | 10/16/19 08:32        | 10/24/19 10:49     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 09:56     | FM      | Mt. Juliet, TN |

## BH-7 (9'-10') L1150129-36 Solid

Collected by JT  
Collected date/time 10/10/19 10:40  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367014 | 1        | 10/23/19 15:20        | 10/23/19 15:31     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364316 | 1        | 10/18/19 01:10        | 10/18/19 08:00     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1.01     | 10/16/19 08:32        | 10/20/19 01:25     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1        | 10/16/19 08:32        | 10/24/19 11:08     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 10:46     | FM      | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-7 (14'-15') L1150129-37 Solid

Collected by JT  
Collected date/time 10/10/19 10:50  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367014 | 1        | 10/23/19 15:20        | 10/23/19 15:31     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364664 | 1        | 10/17/19 19:10        | 10/17/19 21:28     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1        | 10/16/19 08:32        | 10/20/19 01:45     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1        | 10/16/19 08:32        | 10/24/19 11:27     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 10:59     | FM      | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## BH-8 (0'-1') L1150129-38 Solid

Collected by JT  
Collected date/time 10/10/19 11:20  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367014 | 1        | 10/23/19 15:20        | 10/23/19 15:31     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364664 | 1        | 10/17/19 19:10        | 10/17/19 21:37     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1        | 10/16/19 08:32        | 10/20/19 02:06     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1.01     | 10/16/19 08:32        | 10/24/19 11:45     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 14:10     | FM      | Mt. Juliet, TN |

<sup>9</sup> Sc

## BH-8 (2'-3') L1150129-39 Solid

Collected by JT  
Collected date/time 10/10/19 11:30  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367014 | 1        | 10/23/19 15:20        | 10/23/19 15:31     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364664 | 1        | 10/17/19 19:10        | 10/17/19 21:47     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1        | 10/16/19 08:32        | 10/20/19 02:26     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1        | 10/16/19 08:32        | 10/24/19 12:04     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 14:23     | FM      | Mt. Juliet, TN |

## BH-8 (4'-5') L1150129-40 Solid

Collected by JT  
Collected date/time 10/10/19 11:40  
Received date/time 10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367014 | 1        | 10/23/19 15:20        | 10/23/19 15:31     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364664 | 1        | 10/17/19 19:10        | 10/17/19 21:56     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1        | 10/16/19 08:32        | 10/20/19 02:47     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1        | 10/16/19 08:32        | 10/24/19 12:23     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 11:12     | FM      | Mt. Juliet, TN |

## BH-8 (6'-7') L1150129-41 Solid

Collected by  
JTCollected date/time  
10/10/19 11:50Received date/time  
10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367014 | 1        | 10/23/19 15:20        | 10/23/19 15:31     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364664 | 1        | 10/17/19 19:10        | 10/17/19 22:15     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1.01     | 10/16/19 08:32        | 10/20/19 03:07     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1.01     | 10/16/19 08:32        | 10/24/19 12:42     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 11:25     | FM      | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-8 (9'-10') L1150129-42 Solid

Collected by  
JTCollected date/time  
10/10/19 12:00Received date/time  
10/15/19 09:15

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367014 | 1        | 10/23/19 15:20        | 10/23/19 15:31     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364664 | 1        | 10/17/19 19:10        | 10/17/19 22:25     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1        | 10/16/19 08:32        | 10/20/19 03:28     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1        | 10/16/19 08:32        | 10/24/19 13:01     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 13:57     | FM      | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

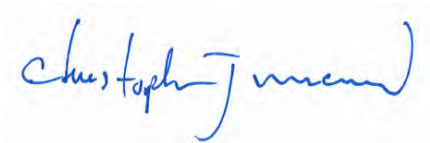
## BH-8 (14'-15') L1150129-43 Solid

Collected by  
JTCollected date/time  
10/10/19 12:10Received date/time  
10/15/19 09:15

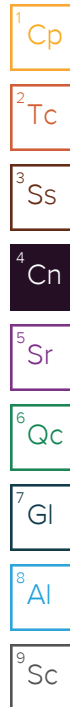
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1367014 | 1        | 10/23/19 15:20        | 10/23/19 15:31     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1364664 | 1        | 10/17/19 19:10        | 10/17/19 22:34     | ST      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1365589 | 1        | 10/16/19 08:32        | 10/20/19 03:48     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1368147 | 1        | 10/16/19 08:32        | 10/24/19 13:20     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1365515 | 1        | 10/19/19 04:32        | 10/19/19 11:37     | FM      | Mt. Juliet, TN |

<sup>9</sup> 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.



Chris McCord  
Project Manager





Collected date/time: 10/09/19 10:30

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.5   |           | 1        | 10/23/2019 13:32     | <a href="#">WG1367010</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1350         |           | 4.25      | 10.0       | 53.4      | 5        | 10/17/2019 12:54     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0234    | 0.100      | 0.108     | 1.01     | 10/19/2019 15:15     | <a href="#">WG1364933</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9         |           |           |            | 62.0-128  |          | 10/19/2019 15:15     | <a href="#">WG1364933</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000432  | 0.00100    | 0.00108   | 1.01     | 10/23/2019 15:30     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0421       |           | 0.00135   | 0.00500    | 0.00540   | 1.01     | 10/23/2019 15:30     | <a href="#">WG1367577</a> |
| Ethylbenzene              | U            |           | 0.000572  | 0.00250    | 0.00270   | 1.01     | 10/23/2019 15:30     | <a href="#">WG1367577</a> |
| Total Xylenes             | U            |           | 0.00516   | 0.00650    | 0.00701   | 1.01     | 10/23/2019 15:30     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 99.5         |           |           |            | 75.0-131  |          | 10/23/2019 15:30     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 95.7         |           |           |            | 67.0-138  |          | 10/23/2019 15:30     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 120          |           |           |            | 70.0-130  |          | 10/23/2019 15:30     | <a href="#">WG1367577</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 8.53         |           | 1.72      | 4.00       | 4.28      | 1        | 10/19/2019 02:34     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 26.6         |           | 0.293     | 4.00       | 4.28      | 1        | 10/19/2019 02:34     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 87.1         |           |           |            | 18.0-148  |          | 10/19/2019 02:34     | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 10:40

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.8   |           | 1        | 10/23/2019 13:32     | <a href="#">WG1367010</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 653          |           | 0.830     | 10.0       | 10.4      | 1        | 10/17/2019 13:09     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0226    | 0.100      | 0.104     | 1        | 10/19/2019 15:35     | <a href="#">WG1364933</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9         |           |           |            | 62.0-128  |          | 10/19/2019 15:35     | <a href="#">WG1364933</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000417  | 0.00100    | 0.00104   | 1        | 10/23/2019 15:50     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0438       |           | 0.00130   | 0.00500    | 0.00522   | 1        | 10/23/2019 15:50     | <a href="#">WG1367577</a> |
| Ethylbenzene              | U            |           | 0.000553  | 0.00250    | 0.00261   | 1        | 10/23/2019 15:50     | <a href="#">WG1367577</a> |
| Total Xylenes             | U            |           | 0.00499   | 0.00650    | 0.00678   | 1        | 10/23/2019 15:50     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 97.8         |           |           |            | 75.0-131  |          | 10/23/2019 15:50     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 96.8         |           |           |            | 67.0-138  |          | 10/23/2019 15:50     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 120          |           |           |            | 70.0-130  |          | 10/23/2019 15:50     | <a href="#">WG1367577</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.92         | J         | 1.68      | 4.00       | 4.17      | 1        | 10/19/2019 00:09     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 5.16         |           | 0.286     | 4.00       | 4.17      | 1        | 10/19/2019 00:09     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 89.0         |           |           |            | 18.0-148  |          | 10/19/2019 00:09     | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 10:50

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.0   |           | 1        | 10/23/2019 13:32     | <a href="#">WG1367010</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 491          |           | 0.837     | 10.0       | 10.5      | 1        | 10/17/2019 14:34     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0229    | 0.100      | 0.105     | 1        | 10/19/2019 15:55     | <a href="#">WG1364933</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9         |           |           |            | 62.0-128  |          | 10/19/2019 15:55     | <a href="#">WG1364933</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | 0.000605     | J         | 0.000421  | 0.00100    | 0.00105   | 1        | 10/23/2019 16:10     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0413       |           | 0.00132   | 0.00500    | 0.00527   | 1        | 10/23/2019 16:10     | <a href="#">WG1367577</a> |
| Ethylbenzene              | U            |           | 0.000558  | 0.00250    | 0.00263   | 1        | 10/23/2019 16:10     | <a href="#">WG1367577</a> |
| Total Xylenes             | U            |           | 0.00503   | 0.00650    | 0.00684   | 1        | 10/23/2019 16:10     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 96.6         |           |           |            | 75.0-131  |          | 10/23/2019 16:10     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 97.2         |           |           |            | 67.0-138  |          | 10/23/2019 16:10     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 124          |           |           |            | 70.0-130  |          | 10/23/2019 16:10     | <a href="#">WG1367577</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.70      | 4.00       | 4.21      | 1        | 10/19/2019 00:22     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 1.34         | J         | 0.289     | 4.00       | 4.21      | 1        | 10/19/2019 00:22     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 79.3         |           |           |            | 18.0-148  |          | 10/19/2019 00:22     | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 11:00

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.1   |           | 1        | 10/23/2019 13:32     | <a href="#">WG1367010</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 349          |           | 0.854     | 10.0       | 10.7      | 1        | 10/17/2019 14:49     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0234       | J         | 0.0233    | 0.100      | 0.107     | 1        | 10/19/2019 16:16     | <a href="#">WG1364933</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.4         |           |           |            | 62.0-128  |          | 10/19/2019 16:16     | <a href="#">WG1364933</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000434  | 0.00100    | 0.00108   | 1.01     | 10/23/2019 16:29     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0443       |           | 0.00136   | 0.00500    | 0.00542   | 1.01     | 10/23/2019 16:29     | <a href="#">WG1367577</a> |
| Ethylbenzene              | U            |           | 0.000575  | 0.00250    | 0.00272   | 1.01     | 10/23/2019 16:29     | <a href="#">WG1367577</a> |
| Total Xylenes             | U            |           | 0.00518   | 0.00650    | 0.00704   | 1.01     | 10/23/2019 16:29     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 99.7         |           |           |            | 75.0-131  |          | 10/23/2019 16:29     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 94.9         |           |           |            | 67.0-138  |          | 10/23/2019 16:29     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 120          |           |           |            | 70.0-130  |          | 10/23/2019 16:29     | <a href="#">WG1367577</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.73      | 4.00       | 4.29      | 1        | 10/19/2019 00:35     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 0.499        | J         | 0.294     | 4.00       | 4.29      | 1        | 10/19/2019 00:35     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 76.3         |           |           |            | 18.0-148  |          | 10/19/2019 00:35     | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 11:10

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.0   |           | 1        | 10/23/2019 16:08     | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 91.5         |           | 0.803     | 10.0       | 10.1      | 1        | 10/17/2019 15:05     | <a href="#">WG1363957</a> |

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

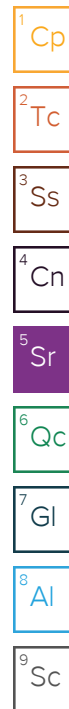
| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0658       | <a href="#">B J</a> | 0.0223    | 0.100      | 0.103     | 1.02     | 10/18/2019 13:30     | <a href="#">WG1364945</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 105          |                     |           |            | 77.0-120  |          | 10/18/2019 13:30     | <a href="#">WG1364945</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000404  | 0.00100    | 0.00101   | 1        | 10/23/2019 16:49     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0419       |           | 0.00126   | 0.00500    | 0.00505   | 1        | 10/23/2019 16:49     | <a href="#">WG1367577</a> |
| Ethylbenzene              | U            |           | 0.000535  | 0.00250    | 0.00252   | 1        | 10/23/2019 16:49     | <a href="#">WG1367577</a> |
| Total Xylenes             | U            |           | 0.00483   | 0.00650    | 0.00656   | 1        | 10/23/2019 16:49     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 97.4         |           |           |            | 75.0-131  |          | 10/23/2019 16:49     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 94.2         |           |           |            | 67.0-138  |          | 10/23/2019 16:49     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 120          |           |           |            | 70.0-130  |          | 10/23/2019 16:49     | <a href="#">WG1367577</a> |

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

| Analyte              | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |                   | 1.63      | 4.00       | 4.04      | 1        | 10/19/2019 00:49     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 0.847        | <a href="#">J</a> | 0.277     | 4.00       | 4.04      | 1        | 10/19/2019 00:49     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 79.7         |                   |           |            | 18.0-148  |          | 10/19/2019 00:49     | <a href="#">WG1365477</a> |





Collected date/time: 10/09/19 11:30

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.7   |           | 1        | 10/23/2019 16:08     | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 14100        |           | 83.1      | 10.0       | 1040      | 100      | 10/17/2019 16:07     | <a href="#">WG1363957</a> |

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

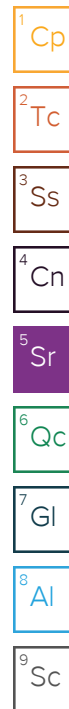
| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0648       | <a href="#">B J</a> | 0.0227    | 0.100      | 0.104     | 1        | 10/18/2019 14:04     | <a href="#">WG1364945</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 103          |                     |           |            | 77.0-120  |          | 10/18/2019 14:04     | <a href="#">WG1364945</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000418  | 0.00100    | 0.00104   | 1        | 10/23/2019 17:08     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0438       |           | 0.00131   | 0.00500    | 0.00522   | 1        | 10/23/2019 17:08     | <a href="#">WG1367577</a> |
| Ethylbenzene              | U            |           | 0.000554  | 0.00250    | 0.00261   | 1        | 10/23/2019 17:08     | <a href="#">WG1367577</a> |
| Total Xylenes             | U            |           | 0.00499   | 0.00650    | 0.00679   | 1        | 10/23/2019 17:08     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 96.9         |           |           |            | 75.0-131  |          | 10/23/2019 17:08     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 94.1         |           |           |            | 67.0-138  |          | 10/23/2019 17:08     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 119          |           |           |            | 70.0-130  |          | 10/23/2019 17:08     | <a href="#">WG1367577</a> |

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

| Analyte              | Result (dry) | Qualifier          | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|--------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1600         |                    | 33.6      | 4.00       | 83.6      | 20       | 10/19/2019 03:26     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 912          |                    | 5.72      | 4.00       | 83.6      | 20       | 10/19/2019 03:26     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 383          | <a href="#">J7</a> |           |            | 18.0-148  |          | 10/19/2019 03:26     | <a href="#">WG1365477</a> |



Collected date/time: 10/09/19 11:40

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.6   |           | 1        | 10/23/2019 16:08     | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1830         |           | 4.16      | 10.0       | 52.3      | 5        | 10/17/2019 16:22     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 46.3         |           | 2.27      | 0.100      | 10.5      | 100      | 10/19/2019 23:42     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           |            | 77.0-120  |          | 10/19/2019 23:42     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.00335   | 0.00100    | 0.00837   | 8        | 10/23/2019 21:39     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0502       |           | 0.0105    | 0.00500    | 0.0418    | 8        | 10/23/2019 21:39     | <a href="#">WG1367577</a> |
| Ethylbenzene              | 0.00649      | J         | 0.00444   | 0.00250    | 0.0209    | 8        | 10/23/2019 21:39     | <a href="#">WG1367577</a> |
| Total Xylenes             | 0.142        |           | 0.0400    | 0.00650    | 0.0544    | 8        | 10/23/2019 21:39     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 98.0         |           |           |            | 75.0-131  |          | 10/23/2019 21:39     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 95.8         |           |           |            | 67.0-138  |          | 10/23/2019 21:39     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 116          |           |           |            | 70.0-130  |          | 10/23/2019 21:39     | <a href="#">WG1367577</a> |

## Sample Narrative:

L1150129-07 WG1367577: Non-target compounds too high to run at a lower dilution.

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2420         |           | 33.7      | 4.00       | 83.7      | 20       | 10/19/2019 03:39     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 1060         |           | 5.73      | 4.00       | 83.7      | 20       | 10/19/2019 03:39     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 457          | J7        |           |            | 18.0-148  |          | 10/19/2019 03:39     | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 11:50

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.1   |           | 1        | 10/23/2019 16:08     | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 366          |           | 0.863     | 10.0       | 10.9      | 1        | 10/17/2019 16:37     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0734       | <a href="#">B J</a> | 0.0240    | 0.100      | 0.111     | 1.02     | 10/18/2019 14:26     | <a href="#">WG1364945</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 105          |                     |           |            | 77.0-120  |          | 10/18/2019 14:26     | <a href="#">WG1364945</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000434  | 0.00100    | 0.00109   | 1        | 10/23/2019 17:28     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0473       |           | 0.00136   | 0.00500    | 0.00543   | 1        | 10/23/2019 17:28     | <a href="#">WG1367577</a> |
| Ethylbenzene              | U            |           | 0.000575  | 0.00250    | 0.00271   | 1        | 10/23/2019 17:28     | <a href="#">WG1367577</a> |
| Total Xylenes             | U            |           | 0.00519   | 0.00650    | 0.00706   | 1        | 10/23/2019 17:28     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 102          |           |           |            | 75.0-131  |          | 10/23/2019 17:28     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 92.3         |           |           |            | 67.0-138  |          | 10/23/2019 17:28     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 113          |           |           |            | 70.0-130  |          | 10/23/2019 17:28     | <a href="#">WG1367577</a> |

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

| Analyte              | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |                   | 1.75      | 4.00       | 4.34      | 1        | 10/19/2019 01:02     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 0.940        | <a href="#">J</a> | 0.297     | 4.00       | 4.34      | 1        | 10/19/2019 01:02     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 82.3         |                   |           |            | 18.0-148  |          | 10/19/2019 01:02     | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 12:00

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.6   |           | 1        | 10/23/2019 16:08     | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 237          |           | 0.807     | 10.0       | 10.1      | 1        | 10/17/2019 16:53     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0680       | <a href="#">B J</a> | 0.0220    | 0.100      | 0.101     | 1        | 10/18/2019 15:50     | <a href="#">WG1364945</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 103          |                     |           |            | 77.0-120  |          | 10/18/2019 15:50     | <a href="#">WG1364945</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000406  | 0.00100    | 0.00101   | 1        | 10/23/2019 17:47     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0447       |           | 0.00127   | 0.00500    | 0.00507   | 1        | 10/23/2019 17:47     | <a href="#">WG1367577</a> |
| Ethylbenzene              | U            |           | 0.000538  | 0.00250    | 0.00254   | 1        | 10/23/2019 17:47     | <a href="#">WG1367577</a> |
| Total Xylenes             | U            |           | 0.00485   | 0.00650    | 0.00659   | 1        | 10/23/2019 17:47     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 101          |           |           |            | 75.0-131  |          | 10/23/2019 17:47     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 91.2         |           |           |            | 67.0-138  |          | 10/23/2019 17:47     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 111          |           |           |            | 70.0-130  |          | 10/23/2019 17:47     | <a href="#">WG1367577</a> |

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

| Analyte              | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 5.67         |                   | 1.63      | 4.00       | 4.06      | 1        | 10/19/2019 01:15     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 3.67         | <a href="#">J</a> | 0.278     | 4.00       | 4.06      | 1        | 10/19/2019 01:15     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 88.8         |                   |           |            | 18.0-148  |          | 10/19/2019 01:15     | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 12:10

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.2   |           | 1        | 10/23/2019 16:08     | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1300         |           | 4.18      | 10.0       | 52.5      | 5        | 10/17/2019 17:39     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0645       | <a href="#">B J</a> | 0.0228    | 0.100      | 0.105     | 1        | 10/18/2019 16:12     | <a href="#">WG1364945</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104          |                     |           |            | 77.0-120  |          | 10/18/2019 16:12     | <a href="#">WG1364945</a> |

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

| Analyte                   | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                   | 0.000420  | 0.00100    | 0.00105   | 1        | 10/23/2019 18:06     | <a href="#">WG1367577</a> |
| Toluene                   | 0.0438       |                   | 0.00131   | 0.00500    | 0.00525   | 1        | 10/23/2019 18:06     | <a href="#">WG1367577</a> |
| Ethylbenzene              | 0.00112      | <a href="#">J</a> | 0.000557  | 0.00250    | 0.00263   | 1        | 10/23/2019 18:06     | <a href="#">WG1367577</a> |
| Total Xylenes             | U            |                   | 0.00502   | 0.00650    | 0.00683   | 1        | 10/23/2019 18:06     | <a href="#">WG1367577</a> |
| (S) Toluene-d8            | 101          |                   |           |            | 75.0-131  |          | 10/23/2019 18:06     | <a href="#">WG1367577</a> |
| (S) 4-Bromofluorobenzene  | 93.5         |                   |           |            | 67.0-138  |          | 10/23/2019 18:06     | <a href="#">WG1367577</a> |
| (S) 1,2-Dichloroethane-d4 | 115          |                   |           |            | 70.0-130  |          | 10/23/2019 18:06     | <a href="#">WG1367577</a> |

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

| Analyte              | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |                   | 1.69      | 4.00       | 4.20      | 1        | 10/19/2019 01:28     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 0.453        | <a href="#">J</a> | 0.288     | 4.00       | 4.20      | 1        | 10/19/2019 01:28     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 81.0         |                   |           |            | 18.0-148  |          | 10/19/2019 01:28     | <a href="#">WG1365477</a> |



Collected date/time: 10/09/19 12:20

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.1   |           | 1        | 10/23/2019 16:08     | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 37.2         |           | 0.811     | 10.0       | 10.2      | 1        | 10/17/2019 17:55     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0603       | <a href="#">B J</a> | 0.0221    | 0.100      | 0.102     | 1        | 10/18/2019 16:58     | <a href="#">WG1364945</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104          |                     |           |            | 77.0-120  |          | 10/18/2019 16:58     | <a href="#">WG1364945</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000408  | 0.00100    | 0.00102   | 1        | 10/23/2019 12:49     | <a href="#">WG1367888</a> |
| Toluene                   | 0.0656       |           | 0.00127   | 0.00500    | 0.00510   | 1        | 10/23/2019 12:49     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000540  | 0.00250    | 0.00255   | 1        | 10/23/2019 12:49     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00487   | 0.00650    | 0.00663   | 1        | 10/23/2019 12:49     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 101          |           |           |            | 75.0-131  |          | 10/23/2019 12:49     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 95.9         |           |           |            | 67.0-138  |          | 10/23/2019 12:49     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 102          |           |           |            | 70.0-130  |          | 10/23/2019 12:49     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |                   | 1.64      | 4.00       | 4.08      | 1        | 10/19/2019 01:41     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 0.300        | <a href="#">J</a> | 0.279     | 4.00       | 4.08      | 1        | 10/19/2019 01:41     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 86.3         |                   |           |            | 18.0-148  |          | 10/19/2019 01:41     | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 12:40

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.7   |           | 1        | 10/23/2019 16:08     | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 890          |           | 4.29      | 10.0       | 54.0      | 5        | 10/17/2019 18:10     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0734       | <a href="#">B J</a> | 0.0234    | 0.100      | 0.108     | 1        | 10/18/2019 17:21     | <a href="#">WG1364945</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104          |                     |           |            | 77.0-120  |          | 10/18/2019 17:21     | <a href="#">WG1364945</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000432  | 0.00100    | 0.00108   | 1        | 10/23/2019 13:10     | <a href="#">WG1367888</a> |
| Toluene                   | 0.0679       |           | 0.00135   | 0.00500    | 0.00540   | 1        | 10/23/2019 13:10     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000572  | 0.00250    | 0.00270   | 1        | 10/23/2019 13:10     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00516   | 0.00650    | 0.00701   | 1        | 10/23/2019 13:10     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 103          |           |           |            | 75.0-131  |          | 10/23/2019 13:10     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 92.8         |           |           |            | 67.0-138  |          | 10/23/2019 13:10     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 96.8         |           |           |            | 70.0-130  |          | 10/23/2019 13:10     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 135          |           | 1.74      | 4.00       | 4.32      | 1        | 10/19/2019 03:13     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 142          |           | 0.296     | 4.00       | 4.32      | 1        | 10/19/2019 03:13     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 76.2         |           |           |            | 18.0-148  |          | 10/19/2019 03:13     | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 12:50

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 94.5   |           | 1        | 10/23/2019 16:08 | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Chloride | 795          |           | 4.21      | 10.0       | 52.9      | 5        | 10/17/2019 18:26 | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |                     | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | 0.0737       | <a href="#">B J</a> | 0.0230    | 0.100      | 0.106     | 1        | 10/18/2019 18:07 | <a href="#">WG1364945</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 103          |                     |           |            | 77.0-120  |          | 10/18/2019 18:07 | <a href="#">WG1364945</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                           | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Benzene                   | U            |           | 0.000423  | 0.00100    | 0.00106   | 1        | 10/23/2019 13:30 | <a href="#">WG1367888</a> |
| Toluene                   | 0.0633       |           | 0.00132   | 0.00500    | 0.00529   | 1        | 10/23/2019 13:30 | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000561  | 0.00250    | 0.00265   | 1        | 10/23/2019 13:30 | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00506   | 0.00650    | 0.00688   | 1        | 10/23/2019 13:30 | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 106          |           |           |            | 75.0-131  |          | 10/23/2019 13:30 | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 97.9         |           |           |            | 67.0-138  |          | 10/23/2019 13:30 | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 100          |           |           |            | 70.0-130  |          | 10/23/2019 13:30 | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-------------------|-----------|------------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |                   | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | U            |                   | 1.70      | 4.00       | 4.23      | 1        | 10/19/2019 01:54 | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | 0.561        | <a href="#">J</a> | 0.290     | 4.00       | 4.23      | 1        | 10/19/2019 01:54 | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 82.6         |                   |           |            | 18.0-148  |          | 10/19/2019 01:54 | <a href="#">WG1365477</a> |

Collected date/time: 10/09/19 13:00

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.4   |           | 1        | 10/23/2019 16:08     | <a href="#">WG1367011</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 23.4         | B         | 0.842     | 10.0       | 10.6      | 1        | 10/17/2019 18:41     | <a href="#">WG1363957</a> |

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

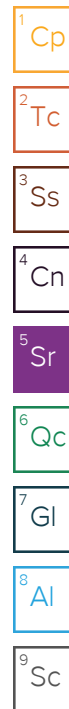
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0232    | 0.100      | 0.107     | 1.01     | 10/20/2019 12:00     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.4         |           |           |            | 77.0-120  |          | 10/20/2019 12:00     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000424  | 0.00100    | 0.00106   | 1        | 10/23/2019 13:51     | <a href="#">WG1367888</a> |
| Toluene                   | 0.0698       |           | 0.00132   | 0.00500    | 0.00530   | 1        | 10/23/2019 13:51     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000561  | 0.00250    | 0.00265   | 1        | 10/23/2019 13:51     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00506   | 0.00650    | 0.00689   | 1        | 10/23/2019 13:51     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 104          |           |           |            | 75.0-131  |          | 10/23/2019 13:51     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 97.1         |           |           |            | 67.0-138  |          | 10/23/2019 13:51     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 97.1         |           |           |            | 70.0-130  |          | 10/23/2019 13:51     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.71      | 4.00       | 4.24      | 1        | 10/19/2019 02:08     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | U            |           | 0.290     | 4.00       | 4.24      | 1        | 10/19/2019 02:08     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 71.1         |           |           |            | 18.0-148  |          | 10/19/2019 02:08     | <a href="#">WG1365477</a> |



Collected date/time: 10/09/19 13:10

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 88.4   |           | 1        | 10/23/2019 15:58     | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 59.5         |           | 0.900     | 10.0       | 11.3      | 1        | 10/17/2019 18:56     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0248    | 0.100      | 0.114     | 1.01     | 10/20/2019 12:24     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.8         |           |           |            | 77.0-120  |          | 10/20/2019 12:24     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000453  | 0.00100    | 0.00113   | 1        | 10/23/2019 14:12     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00759      |           | 0.00141   | 0.00500    | 0.00566   | 1        | 10/23/2019 14:12     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000600  | 0.00250    | 0.00283   | 1        | 10/23/2019 14:12     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00541   | 0.00650    | 0.00735   | 1        | 10/23/2019 14:12     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 102          |           |           |            | 75.0-131  |          | 10/23/2019 14:12     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 95.1         |           |           |            | 67.0-138  |          | 10/23/2019 14:12     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 90.9         |           |           |            | 70.0-130  |          | 10/23/2019 14:12     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.82      | 4.00       | 4.53      | 1        | 10/19/2019 02:21     | <a href="#">WG1365477</a> |
| C28-C40 Oil Range    | U            |           | 0.310     | 4.00       | 4.53      | 1        | 10/19/2019 02:21     | <a href="#">WG1365477</a> |
| (S) o-Terphenyl      | 67.2         |           |           |            | 18.0-148  |          | 10/19/2019 02:21     | <a href="#">WG1365477</a> |



Collected date/time: 10/09/19 13:20

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.2   |           | 1        | 10/23/2019 15:58     | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 70.9         |           | 0.853     | 10.0       | 10.7      | 1        | 10/17/2019 19:12     | <a href="#">WG1363957</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0233    | 0.100      | 0.107     | 1        | 10/20/2019 12:48     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.0         |           |           |            | 77.0-120  |          | 10/20/2019 12:48     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000434  | 0.00100    | 0.00108   | 1.01     | 10/23/2019 14:32     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00561      |           | 0.00136   | 0.00500    | 0.00542   | 1.01     | 10/23/2019 14:32     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000575  | 0.00250    | 0.00272   | 1.01     | 10/23/2019 14:32     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00518   | 0.00650    | 0.00704   | 1.01     | 10/23/2019 14:32     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 107          |           |           |            | 75.0-131  |          | 10/23/2019 14:32     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 95.5         |           |           |            | 67.0-138  |          | 10/23/2019 14:32     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 98.4         |           |           |            | 70.0-130  |          | 10/23/2019 14:32     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.73      | 4.00       | 4.29      | 1        | 10/19/2019 10:25     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 1.14         | J         | 0.294     | 4.00       | 4.29      | 1        | 10/19/2019 10:25     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 76.3         |           |           |            | 18.0-148  |          | 10/19/2019 10:25     | <a href="#">WG1365512</a> |

Collected date/time: 10/09/19 13:30

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.3   |           | 1        | 10/23/2019 15:58     | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 38.0         | <u>B</u>  | 0.852     | 10.0       | 10.7      | 1        | 10/18/2019 03:44     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0233    | 0.100      | 0.107     | 1        | 10/20/2019 13:12     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.3         |           |           |            | 77.0-120  |          | 10/20/2019 13:12     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000429  | 0.00100    | 0.00107   | 1        | 10/23/2019 14:53     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00491      | <u>J</u>  | 0.00134   | 0.00500    | 0.00536   | 1        | 10/23/2019 14:53     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000568  | 0.00250    | 0.00268   | 1        | 10/23/2019 14:53     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00512   | 0.00650    | 0.00697   | 1        | 10/23/2019 14:53     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 106          |           |           |            | 75.0-131  |          | 10/23/2019 14:53     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 98.1         |           |           |            | 67.0-138  |          | 10/23/2019 14:53     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 95.1         |           |           |            | 70.0-130  |          | 10/23/2019 14:53     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 12.9         |           | 1.73      | 4.00       | 4.29      | 1        | 10/19/2019 12:11     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 35.9         |           | 0.294     | 4.00       | 4.29      | 1        | 10/19/2019 12:11     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 67.6         |           |           |            | 18.0-148  |          | 10/19/2019 12:11     | <a href="#">WG1365512</a> |

Collected date/time: 10/09/19 13:40

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.0   |           | 1        | 10/23/2019 15:58     | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 226          |           | 0.855     | 10.0       | 10.8      | 1        | 10/18/2019 03:53     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0236    | 0.100      | 0.109     | 1.01     | 10/20/2019 13:36     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.4         |           |           |            | 77.0-120  |          | 10/20/2019 13:36     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000430  | 0.00100    | 0.00108   | 1        | 10/23/2019 15:14     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00498      | J         | 0.00134   | 0.00500    | 0.00538   | 1        | 10/23/2019 15:14     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000570  | 0.00250    | 0.00269   | 1        | 10/23/2019 15:14     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00514   | 0.00650    | 0.00699   | 1        | 10/23/2019 15:14     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 104          |           |           |            | 75.0-131  |          | 10/23/2019 15:14     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 94.7         |           |           |            | 67.0-138  |          | 10/23/2019 15:14     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 94.1         |           |           |            | 70.0-130  |          | 10/23/2019 15:14     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.73      | 4.00       | 4.30      | 1        | 10/19/2019 10:38     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 5.42         |           | 0.295     | 4.00       | 4.30      | 1        | 10/19/2019 10:38     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 75.2         |           |           |            | 18.0-148  |          | 10/19/2019 10:38     | <a href="#">WG1365512</a> |

Collected date/time: 10/09/19 13:50

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.9   |           | 1        | 10/23/2019 15:58     | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 281          |           | 0.838     | 10.0       | 10.5      | 1        | 10/18/2019 04:12     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0229    | 0.100      | 0.105     | 1        | 10/20/2019 14:00     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.8         |           |           |            | 77.0-120  |          | 10/20/2019 14:00     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000422  | 0.00100    | 0.00105   | 1        | 10/23/2019 15:34     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00458      | J         | 0.00132   | 0.00500    | 0.00527   | 1        | 10/23/2019 15:34     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000559  | 0.00250    | 0.00263   | 1        | 10/23/2019 15:34     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00504   | 0.00650    | 0.00685   | 1        | 10/23/2019 15:34     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 103          |           |           |            | 75.0-131  |          | 10/23/2019 15:34     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 95.8         |           |           |            | 67.0-138  |          | 10/23/2019 15:34     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 100          |           |           |            | 70.0-130  |          | 10/23/2019 15:34     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.70      | 4.00       | 4.22      | 1        | 10/19/2019 11:17     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 0.291        | J         | 0.289     | 4.00       | 4.22      | 1        | 10/19/2019 11:17     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 80.2         |           |           |            | 18.0-148  |          | 10/19/2019 11:17     | <a href="#">WG1365512</a> |

Collected date/time: 10/09/19 14:00

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.4   |           | 1        | 10/23/2019 15:58     | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 315          |           | 0.834     | 10.0       | 10.5      | 1        | 10/18/2019 04:21     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0230    | 0.100      | 0.106     | 1.01     | 10/20/2019 14:25     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.0         |           |           |            | 77.0-120  |          | 10/20/2019 14:25     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000419  | 0.00100    | 0.00105   | 1        | 10/23/2019 15:55     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00464      | J         | 0.00131   | 0.00500    | 0.00524   | 1        | 10/23/2019 15:55     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000556  | 0.00250    | 0.00262   | 1        | 10/23/2019 15:55     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00501   | 0.00650    | 0.00682   | 1        | 10/23/2019 15:55     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 103          |           |           |            | 75.0-131  |          | 10/23/2019 15:55     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 96.9         |           |           |            | 67.0-138  |          | 10/23/2019 15:55     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 95.6         |           |           |            | 70.0-130  |          | 10/23/2019 15:55     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.69      | 4.00       | 4.19      | 1        | 10/19/2019 11:30     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 0.609        | J         | 0.287     | 4.00       | 4.19      | 1        | 10/19/2019 11:30     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 65.0         |           |           |            | 18.0-148  |          | 10/19/2019 11:30     | <a href="#">WG1365512</a> |



Collected date/time: 10/09/19 14:10

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.6   |           | 1        | 10/23/2019 15:58     | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 125          |           | 0.841     | 10.0       | 10.6      | 1        | 10/18/2019 04:31     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0229    | 0.100      | 0.106     | 1        | 10/20/2019 14:49     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.6         |           |           |            | 77.0-120  |          | 10/20/2019 14:49     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000423  | 0.00100    | 0.00106   | 1        | 10/23/2019 09:21     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00534      |           | 0.00132   | 0.00500    | 0.00529   | 1        | 10/23/2019 09:21     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000560  | 0.00250    | 0.00264   | 1        | 10/23/2019 09:21     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00505   | 0.00650    | 0.00687   | 1        | 10/23/2019 09:21     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 103          |           |           |            | 75.0-131  |          | 10/23/2019 09:21     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 97.1         |           |           |            | 67.0-138  |          | 10/23/2019 09:21     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 101          |           |           |            | 70.0-130  |          | 10/23/2019 09:21     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.70      | 4.00       | 4.23      | 1        | 10/19/2019 11:43     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 0.302        | J         | 0.290     | 4.00       | 4.23      | 1        | 10/19/2019 11:43     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 76.0         |           |           |            | 18.0-148  |          | 10/19/2019 11:43     | <a href="#">WG1365512</a> |

Collected date/time: 10/09/19 14:20

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.7   |           | 1        | 10/23/2019 15:58     | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 11.7         | <u>B</u>  | 0.823     | 10.0       | 10.3      | 1        | 10/18/2019 04:40     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0225    | 0.100      | 0.103     | 1        | 10/20/2019 15:13     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.9         |           |           |            | 77.0-120  |          | 10/20/2019 15:13     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000414  | 0.00100    | 0.00103   | 1        | 10/23/2019 09:42     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00443      | <u>J</u>  | 0.00129   | 0.00500    | 0.00517   | 1        | 10/23/2019 09:42     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000548  | 0.00250    | 0.00259   | 1        | 10/23/2019 09:42     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00495   | 0.00650    | 0.00672   | 1        | 10/23/2019 09:42     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 103          |           |           |            | 75.0-131  |          | 10/23/2019 09:42     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 94.7         |           |           |            | 67.0-138  |          | 10/23/2019 09:42     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 101          |           |           |            | 70.0-130  |          | 10/23/2019 09:42     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.67      | 4.00       | 4.14      | 1        | 10/19/2019 11:56     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 0.430        | <u>J</u>  | 0.283     | 4.00       | 4.14      | 1        | 10/19/2019 11:56     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 77.7         |           |           |            | 18.0-148  |          | 10/19/2019 11:56     | <a href="#">WG1365512</a> |

Collected date/time: 10/09/19 14:30

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.9   |           | 1        | 10/23/2019 15:58     | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 786          | V         | 0.829     | 10.0       | 10.4      | 1        | 10/18/2019 04:50     | <a href="#">WG1364316</a> |

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

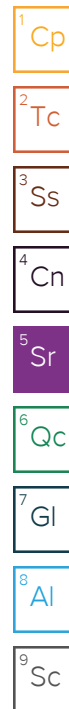
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0226    | 0.100      | 0.104     | 1        | 10/19/2019 09:04     | <a href="#">WG1364943</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 92.8         |           |           |            | 77.0-120  |          | 10/19/2019 09:04     | <a href="#">WG1364943</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000417  | 0.00100    | 0.00104   | 1        | 10/23/2019 10:03     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00544      |           | 0.00130   | 0.00500    | 0.00521   | 1        | 10/23/2019 10:03     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000552  | 0.00250    | 0.00261   | 1        | 10/23/2019 10:03     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00498   | 0.00650    | 0.00678   | 1        | 10/23/2019 10:03     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 104          |           |           |            | 75.0-131  |          | 10/23/2019 10:03     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 98.2         |           |           |            | 67.0-138  |          | 10/23/2019 10:03     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 98.9         |           |           |            | 70.0-130  |          | 10/23/2019 10:03     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 152          |           | 8.39      | 4.00       | 20.8      | 5        | 10/19/2019 14:22     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 304          |           | 1.43      | 4.00       | 20.8      | 5        | 10/19/2019 14:22     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 55.2         |           |           |            | 18.0-148  |          | 10/19/2019 14:22     | <a href="#">WG1365512</a> |



Collected date/time: 10/09/19 14:40

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 94.2   |           | 1        | 10/23/2019 15:58 | <a href="#">WG1367012</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Chloride | 568          |           | 0.844     | 10.0       | 10.6      | 1        | 10/18/2019 05:38 | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0230    | 0.100      | 0.106     | 1        | 10/19/2019 09:28 | <a href="#">WG1364943</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.3         |           |           |            | 77.0-120  |          | 10/19/2019 09:28 | <a href="#">WG1364943</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                           | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Benzene                   | U            |           | 0.000425  | 0.00100    | 0.00106   | 1        | 10/23/2019 10:24 | <a href="#">WG1367888</a> |
| Toluene                   | 0.00507      | J         | 0.00133   | 0.00500    | 0.00531   | 1        | 10/23/2019 10:24 | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000563  | 0.00250    | 0.00265   | 1        | 10/23/2019 10:24 | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00507   | 0.00650    | 0.00690   | 1        | 10/23/2019 10:24 | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 105          |           |           |            | 75.0-131  |          | 10/23/2019 10:24 | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 94.8         |           |           |            | 67.0-138  |          | 10/23/2019 10:24 | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 101          |           |           |            | 70.0-130  |          | 10/23/2019 10:24 | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | 2.98         | J         | 1.71      | 4.00       | 4.25      | 1        | 10/19/2019 12:24 | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 7.65         |           | 0.291     | 4.00       | 4.25      | 1        | 10/19/2019 12:24 | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 69.6         |           |           |            | 18.0-148  |          | 10/19/2019 12:24 | <a href="#">WG1365512</a> |

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 83.5   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1580         |           | 4.76      | 10.0       | 59.9      | 5        | 10/18/2019 05:47     | <a href="#">WG1364316</a> |

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

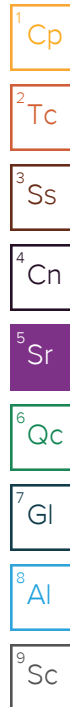
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0262    | 0.100      | 0.121     | 1.01     | 10/19/2019 10:16     | <a href="#">WG1364943</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.9         |           |           |            | 77.0-120  |          | 10/19/2019 10:16     | <a href="#">WG1364943</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000479  | 0.00100    | 0.00120   | 1        | 10/23/2019 10:44     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00528      | J         | 0.00150   | 0.00500    | 0.00599   | 1        | 10/23/2019 10:44     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000635  | 0.00250    | 0.00299   | 1        | 10/23/2019 10:44     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00572   | 0.00650    | 0.00778   | 1        | 10/23/2019 10:44     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 103          |           |           |            | 75.0-131  |          | 10/23/2019 10:44     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 95.5         |           |           |            | 67.0-138  |          | 10/23/2019 10:44     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 97.0         |           |           |            | 70.0-130  |          | 10/23/2019 10:44     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.93      | 4.00       | 4.79      | 1        | 10/19/2019 12:37     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 1.78         | J         | 0.328     | 4.00       | 4.79      | 1        | 10/19/2019 12:37     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 73.4         |           |           |            | 18.0-148  |          | 10/19/2019 12:37     | <a href="#">WG1365512</a> |





Collected date/time: 10/09/19 15:00

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## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.0   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 453          |           | 0.811     | 10.0       | 10.2      | 1        | 10/18/2019 05:57     | <a href="#">WG1364316</a> |

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

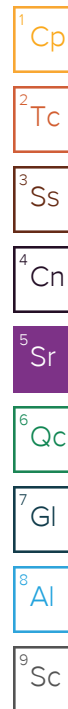
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0221    | 0.100      | 0.102     | 1        | 10/20/2019 15:37     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.9         |           |           |            | 77.0-120  |          | 10/20/2019 15:37     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000408  | 0.00100    | 0.00102   | 1        | 10/23/2019 11:05     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00477      | J         | 0.00128   | 0.00500    | 0.00510   | 1        | 10/23/2019 11:05     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000541  | 0.00250    | 0.00255   | 1        | 10/23/2019 11:05     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00488   | 0.00650    | 0.00663   | 1        | 10/23/2019 11:05     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 104          |           |           |            | 75.0-131  |          | 10/23/2019 11:05     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 98.5         |           |           |            | 67.0-138  |          | 10/23/2019 11:05     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 99.7         |           |           |            | 70.0-130  |          | 10/23/2019 11:05     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.64      | 4.00       | 4.08      | 1        | 10/19/2019 12:50     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 1.33         | J         | 0.280     | 4.00       | 4.08      | 1        | 10/19/2019 12:50     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 85.2         |           |           |            | 18.0-148  |          | 10/19/2019 12:50     | <a href="#">WG1365512</a> |



Collected date/time: 10/09/19 15:10

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.3   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 318          |           | 0.817     | 10.0       | 10.3      | 1        | 10/18/2019 06:06     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0223    | 0.100      | 0.103     | 1        | 10/20/2019 16:01     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.0         |           |           |            | 77.0-120  |          | 10/20/2019 16:01     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000411  | 0.00100    | 0.00103   | 1        | 10/23/2019 11:26     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00450      | J         | 0.00128   | 0.00500    | 0.00514   | 1        | 10/23/2019 11:26     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000545  | 0.00250    | 0.00257   | 1        | 10/23/2019 11:26     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00491   | 0.00650    | 0.00668   | 1        | 10/23/2019 11:26     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 102          |           |           |            | 75.0-131  |          | 10/23/2019 11:26     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 96.9         |           |           |            | 67.0-138  |          | 10/23/2019 11:26     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 101          |           |           |            | 70.0-130  |          | 10/23/2019 11:26     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.65      | 4.00       | 4.11      | 1        | 10/19/2019 13:03     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 0.839        | J         | 0.281     | 4.00       | 4.11      | 1        | 10/19/2019 13:03     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 77.0         |           |           |            | 18.0-148  |          | 10/19/2019 13:03     | <a href="#">WG1365512</a> |

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.0   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 396          |           | 0.828     | 10.0       | 10.4      | 1        | 10/18/2019 06:16     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0228    | 0.100      | 0.105     | 1.01     | 10/20/2019 16:25     | <a href="#">WG1365975</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.2         |           |           |            | 77.0-120  |          | 10/20/2019 16:25     | <a href="#">WG1365975</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000417  | 0.00100    | 0.00104   | 1        | 10/23/2019 11:46     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00438      | J         | 0.00130   | 0.00500    | 0.00521   | 1        | 10/23/2019 11:46     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000552  | 0.00250    | 0.00260   | 1        | 10/23/2019 11:46     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00498   | 0.00650    | 0.00677   | 1        | 10/23/2019 11:46     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 107          |           |           |            | 75.0-131  |          | 10/23/2019 11:46     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 98.2         |           |           |            | 67.0-138  |          | 10/23/2019 11:46     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 92.4         |           |           |            | 70.0-130  |          | 10/23/2019 11:46     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.68      | 4.00       | 4.17      | 1        | 10/19/2019 13:16     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 0.772        | J         | 0.285     | 4.00       | 4.17      | 1        | 10/19/2019 13:16     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 79.6         |           |           |            | 18.0-148  |          | 10/19/2019 13:16     | <a href="#">WG1365512</a> |

Collected date/time: 10/09/19 15:30

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.7   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 19.7         | <u>B</u>  | 0.822     | 10.0       | 10.3      | 1        | 10/18/2019 06:25     | <a href="#">WG1364316</a> |

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

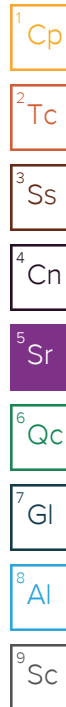
| Analyte                         | Result (dry) | Qualifier     | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0784       | <u>B J J3</u> | 0.0224    | 0.100      | 0.103     | 1        | 10/20/2019 17:25     | <a href="#">WG1365550</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 105          |               |           |            | 77.0-120  |          | 10/20/2019 17:25     | <a href="#">WG1365550</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000414  | 0.00100    | 0.00103   | 1        | 10/23/2019 12:07     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00476      | <u>J</u>  | 0.00129   | 0.00500    | 0.00517   | 1        | 10/23/2019 12:07     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000548  | 0.00250    | 0.00259   | 1        | 10/23/2019 12:07     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00494   | 0.00650    | 0.00672   | 1        | 10/23/2019 12:07     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 103          |           |           |            | 75.0-131  |          | 10/23/2019 12:07     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 96.9         |           |           |            | 67.0-138  |          | 10/23/2019 12:07     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 100          |           |           |            | 70.0-130  |          | 10/23/2019 12:07     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 57.3         |           | 8.32      | 4.00       | 20.7      | 5        | 10/19/2019 14:35     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 191          |           | 1.42      | 4.00       | 20.7      | 5        | 10/19/2019 14:35     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 91.4         |           |           |            | 18.0-148  |          | 10/19/2019 14:35     | <a href="#">WG1365512</a> |



Collected date/time: 10/09/19 15:40

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.4   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1050         |           | 4.40      | 10.0       | 55.3      | 5        | 10/18/2019 06:35     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0701       | <a href="#">B J</a> | 0.0240    | 0.100      | 0.111     | 1        | 10/20/2019 17:47     | <a href="#">WG1365550</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104          |                     |           |            | 77.0-120  |          | 10/20/2019 17:47     | <a href="#">WG1365550</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000442  | 0.00100    | 0.00111   | 1        | 10/23/2019 12:28     | <a href="#">WG1367888</a> |
| Toluene                   | 0.00656      |           | 0.00138   | 0.00500    | 0.00553   | 1        | 10/23/2019 12:28     | <a href="#">WG1367888</a> |
| Ethylbenzene              | U            |           | 0.000586  | 0.00250    | 0.00276   | 1        | 10/23/2019 12:28     | <a href="#">WG1367888</a> |
| Total Xylenes             | U            |           | 0.00529   | 0.00650    | 0.00719   | 1        | 10/23/2019 12:28     | <a href="#">WG1367888</a> |
| (S) Toluene-d8            | 110          |           |           |            | 75.0-131  |          | 10/23/2019 12:28     | <a href="#">WG1367888</a> |
| (S) 4-Bromofluorobenzene  | 101          |           |           |            | 67.0-138  |          | 10/23/2019 12:28     | <a href="#">WG1367888</a> |
| (S) 1,2-Dichloroethane-d4 | 103          |           |           |            | 70.0-130  |          | 10/23/2019 12:28     | <a href="#">WG1367888</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 27.9         |           | 1.78      | 4.00       | 4.42      | 1        | 10/19/2019 13:55     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 67.9         |           | 0.303     | 4.00       | 4.42      | 1        | 10/19/2019 13:55     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 80.2         |           |           |            | 18.0-148  |          | 10/19/2019 13:55     | <a href="#">WG1365512</a> |

Collected date/time: 10/09/19 15:50

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.8   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 835          |           | 0.839     | 10.0       | 10.6      | 1        | 10/18/2019 06:44     | <a href="#">WG1364316</a> |

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

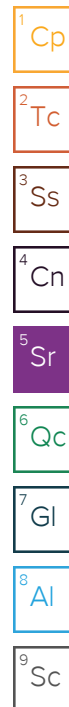
| Analyte                         | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0745       | <a href="#">B J</a> | 0.0231    | 0.100      | 0.107     | 1.01     | 10/20/2019 18:10     | <a href="#">WG1365550</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104          |                     |           |            | 77.0-120  |          | 10/20/2019 18:10     | <a href="#">WG1365550</a> |

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

| Analyte                   | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                   | 0.000422  | 0.00100    | 0.00106   | 1        | 10/23/2019 13:30     | <a href="#">WG1367938</a> |
| Toluene                   | 0.00433      | <a href="#">J</a> | 0.00132   | 0.00500    | 0.00528   | 1        | 10/23/2019 13:30     | <a href="#">WG1367938</a> |
| Ethylbenzene              | U            |                   | 0.000559  | 0.00250    | 0.00264   | 1        | 10/23/2019 13:30     | <a href="#">WG1367938</a> |
| Total Xylenes             | U            |                   | 0.00504   | 0.00650    | 0.00686   | 1        | 10/23/2019 13:30     | <a href="#">WG1367938</a> |
| (S) Toluene-d8            | 100          |                   |           |            | 75.0-131  |          | 10/23/2019 13:30     | <a href="#">WG1367938</a> |
| (S) 4-Bromofluorobenzene  | 95.6         |                   |           |            | 67.0-138  |          | 10/23/2019 13:30     | <a href="#">WG1367938</a> |
| (S) 1,2-Dichloroethane-d4 | 113          |                   |           |            | 70.0-130  |          | 10/23/2019 13:30     | <a href="#">WG1367938</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 9.61         |           | 1.70      | 4.00       | 4.22      | 1        | 10/19/2019 13:29     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 22.9         |           | 0.289     | 4.00       | 4.22      | 1        | 10/19/2019 13:29     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 82.0         |           |           |            | 18.0-148  |          | 10/19/2019 13:29     | <a href="#">WG1365512</a> |





Collected date/time: 10/10/19 10:00

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.0   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 4040         |           | 8.84      | 10.0       | 111       | 10       | 10/18/2019 07:22     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0248       | J         | 0.0244    | 0.100      | 0.112     | 1.01     | 10/20/2019 00:02     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.6         |           |           |            | 77.0-120  |          | 10/20/2019 00:02     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000445  | 0.00100    | 0.00111   | 1        | 10/24/2019 09:53     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00495      | B J       | 0.00139   | 0.00500    | 0.00556   | 1        | 10/24/2019 09:53     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |           | 0.000589  | 0.00250    | 0.00278   | 1        | 10/24/2019 09:53     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |           | 0.00531   | 0.00650    | 0.00722   | 1        | 10/24/2019 09:53     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 96.2         |           |           |            | 75.0-131  |          | 10/24/2019 09:53     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 96.9         |           |           |            | 67.0-138  |          | 10/24/2019 09:53     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 124          |           |           |            | 70.0-130  |          | 10/24/2019 09:53     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 143          |           | 8.95      | 4.00       | 22.2      | 5        | 10/19/2019 14:48     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 242          |           | 1.52      | 4.00       | 22.2      | 5        | 10/19/2019 14:48     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 58.4         |           |           |            | 18.0-148  |          | 10/19/2019 14:48     | <a href="#">WG1365512</a> |

Collected date/time: 10/10/19 10:10

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.3   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1850         |           | 8.61      | 10.0       | 108       | 10       | 10/18/2019 07:32     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0235    | 0.100      | 0.108     | 1        | 10/20/2019 00:23     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9         |           |           |            | 77.0-120  |          | 10/20/2019 00:23     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000437  | 0.00100    | 0.00109   | 1.01     | 10/24/2019 10:11     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00498      | <a href="#">B J</a> | 0.00137   | 0.00500    | 0.00547   | 1.01     | 10/24/2019 10:11     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000580  | 0.00250    | 0.00274   | 1.01     | 10/24/2019 10:11     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00523   | 0.00650    | 0.00710   | 1.01     | 10/24/2019 10:11     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 97.6         |                     |           |            | 75.0-131  |          | 10/24/2019 10:11     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 95.8         |                     |           |            | 67.0-138  |          | 10/24/2019 10:11     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 124          |                     |           |            | 70.0-130  |          | 10/24/2019 10:11     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 7.62         |           | 1.74      | 4.00       | 4.33      | 1        | 10/19/2019 13:42     | <a href="#">WG1365512</a> |
| C28-C40 Oil Range    | 15.3         |           | 0.297     | 4.00       | 4.33      | 1        | 10/19/2019 13:42     | <a href="#">WG1365512</a> |
| (S) o-Terphenyl      | 78.3         |           |           |            | 18.0-148  |          | 10/19/2019 13:42     | <a href="#">WG1365512</a> |

Collected date/time: 10/10/19 10:20

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.8   |           | 1        | 10/23/2019 15:44     | <a href="#">WG1367013</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 454          |           | 0.876     | 10.0       | 11.0      | 1        | 10/18/2019 07:41     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0241    | 0.100      | 0.111     | 1.01     | 10/20/2019 00:44     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.1         |           |           |            | 77.0-120  |          | 10/20/2019 00:44     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000441  | 0.00100    | 0.00110   | 1        | 10/24/2019 10:30     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00510      | <a href="#">B J</a> | 0.00138   | 0.00500    | 0.00551   | 1        | 10/24/2019 10:30     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000584  | 0.00250    | 0.00275   | 1        | 10/24/2019 10:30     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00527   | 0.00650    | 0.00716   | 1        | 10/24/2019 10:30     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 98.8         |                     |           |            | 75.0-131  |          | 10/24/2019 10:30     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 93.6         |                     |           |            | 67.0-138  |          | 10/24/2019 10:30     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 118          |                     |           |            | 70.0-130  |          | 10/24/2019 10:30     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.77      | 4.00       | 4.41      | 1        | 10/19/2019 10:34     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | U            |           | 0.302     | 4.00       | 4.41      | 1        | 10/19/2019 10:34     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 83.9         |           |           |            | 18.0-148  |          | 10/19/2019 10:34     | <a href="#">WG1365515</a> |

Collected date/time: 10/10/19 10:30

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.8   |           | 1        | 10/23/2019 15:31     | <a href="#">WG1367014</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 264          |           | 0.885     | 10.0       | 11.1      | 1        | 10/18/2019 07:51     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0242    | 0.100      | 0.111     | 1        | 10/20/2019 01:04     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.5         |           |           |            | 77.0-120  |          | 10/20/2019 01:04     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000445  | 0.00100    | 0.00111   | 1        | 10/24/2019 10:49     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00440      | <a href="#">B J</a> | 0.00139   | 0.00500    | 0.00557   | 1        | 10/24/2019 10:49     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000590  | 0.00250    | 0.00278   | 1        | 10/24/2019 10:49     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00532   | 0.00650    | 0.00724   | 1        | 10/24/2019 10:49     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 97.2         |                     |           |            | 75.0-131  |          | 10/24/2019 10:49     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 97.4         |                     |           |            | 67.0-138  |          | 10/24/2019 10:49     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 127          |                     |           |            | 70.0-130  |          | 10/24/2019 10:49     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.79      | 4.00       | 4.45      | 1        | 10/19/2019 09:56     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | U            |           | 0.305     | 4.00       | 4.45      | 1        | 10/19/2019 09:56     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 83.8         |           |           |            | 18.0-148  |          | 10/19/2019 09:56     | <a href="#">WG1365515</a> |

Collected date/time: 10/10/19 10:40

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.0   |           | 1        | 10/23/2019 15:31     | <a href="#">WG1367014</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 72.9         |           | 0.846     | 10.0       | 10.6      | 1        | 10/18/2019 08:00     | <a href="#">WG1364316</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0233    | 0.100      | 0.107     | 1.01     | 10/20/2019 01:25     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.3         |           |           |            | 77.0-120  |          | 10/20/2019 01:25     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000426  | 0.00100    | 0.00106   | 1        | 10/24/2019 11:08     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00445      | <a href="#">B J</a> | 0.00133   | 0.00500    | 0.00532   | 1        | 10/24/2019 11:08     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000564  | 0.00250    | 0.00266   | 1        | 10/24/2019 11:08     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00509   | 0.00650    | 0.00692   | 1        | 10/24/2019 11:08     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 97.8         |                     |           |            | 75.0-131  |          | 10/24/2019 11:08     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 97.2         |                     |           |            | 67.0-138  |          | 10/24/2019 11:08     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 122          |                     |           |            | 70.0-130  |          | 10/24/2019 11:08     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.71      | 4.00       | 4.26      | 1        | 10/19/2019 10:46     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | U            |           | 0.292     | 4.00       | 4.26      | 1        | 10/19/2019 10:46     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 80.1         |           |           |            | 18.0-148  |          | 10/19/2019 10:46     | <a href="#">WG1365515</a> |

Collected date/time: 10/10/19 10:50

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.5   |           | 1        | 10/23/2019 15:31     | <a href="#">WG1367014</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 155          |           | 0.860     | 10.0       | 10.8      | 1        | 10/17/2019 21:28     | <a href="#">WG1364664</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0235    | 0.100      | 0.108     | 1        | 10/20/2019 01:45     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.7         |           |           |            | 77.0-120  |          | 10/20/2019 01:45     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000432  | 0.00100    | 0.00108   | 1        | 10/24/2019 11:27     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00454      | <a href="#">B J</a> | 0.00135   | 0.00500    | 0.00540   | 1        | 10/24/2019 11:27     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000573  | 0.00250    | 0.00270   | 1        | 10/24/2019 11:27     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00517   | 0.00650    | 0.00703   | 1        | 10/24/2019 11:27     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 97.2         |                     |           |            | 75.0-131  |          | 10/24/2019 11:27     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 94.6         |                     |           |            | 67.0-138  |          | 10/24/2019 11:27     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 119          |                     |           |            | 70.0-130  |          | 10/24/2019 11:27     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.74      | 4.00       | 4.32      | 1        | 10/19/2019 10:59     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | U            |           | 0.296     | 4.00       | 4.32      | 1        | 10/19/2019 10:59     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 86.7         |           |           |            | 18.0-148  |          | 10/19/2019 10:59     | <a href="#">WG1365515</a> |



Collected date/time: 10/10/19 11:20

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 91.2   |           | 1        | 10/23/2019 15:31     | <a href="#">WG1367014</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 53.7         |           | 0.872     | 10.0       | 11.0      | 1        | 10/17/2019 21:37     | <a href="#">WG1364664</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0238    | 0.100      | 0.110     | 1        | 10/20/2019 02:06     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.4         |           |           |            | 77.0-120  |          | 10/20/2019 02:06     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000443  | 0.00100    | 0.00111   | 1.01     | 10/24/2019 11:45     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00529      | <a href="#">B J</a> | 0.00138   | 0.00500    | 0.00554   | 1.01     | 10/24/2019 11:45     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000587  | 0.00250    | 0.00278   | 1.01     | 10/24/2019 11:45     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00530   | 0.00650    | 0.00720   | 1.01     | 10/24/2019 11:45     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 94.8         |                     |           |            | 75.0-131  |          | 10/24/2019 11:45     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 95.1         |                     |           |            | 67.0-138  |          | 10/24/2019 11:45     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 127          |                     |           |            | 70.0-130  |          | 10/24/2019 11:45     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 4.84         |           | 1.77      | 4.00       | 4.39      | 1        | 10/19/2019 14:10     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | 19.6         |           | 0.301     | 4.00       | 4.39      | 1        | 10/19/2019 14:10     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 73.5         |           |           |            | 18.0-148  |          | 10/19/2019 14:10     | <a href="#">WG1365515</a> |

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.0   |           | 1        | 10/23/2019 15:31     | <a href="#">WG1367014</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 50.1         |           | 0.837     | 10.0       | 10.5      | 1        | 10/17/2019 21:47     | <a href="#">WG1364664</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0228    | 0.100      | 0.105     | 1        | 10/20/2019 02:26     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.4         |           |           |            | 77.0-120  |          | 10/20/2019 02:26     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000421  | 0.00100    | 0.00105   | 1        | 10/24/2019 12:04     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00417      | <a href="#">B J</a> | 0.00132   | 0.00500    | 0.00526   | 1        | 10/24/2019 12:04     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000558  | 0.00250    | 0.00263   | 1        | 10/24/2019 12:04     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00503   | 0.00650    | 0.00684   | 1        | 10/24/2019 12:04     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 96.7         |                     |           |            | 75.0-131  |          | 10/24/2019 12:04     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 96.7         |                     |           |            | 67.0-138  |          | 10/24/2019 12:04     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 128          |                     |           |            | 70.0-130  |          | 10/24/2019 12:04     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.03         | <a href="#">J</a> | 1.69      | 4.00       | 4.21      | 1        | 10/19/2019 14:23     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | 9.03         |                   | 0.288     | 4.00       | 4.21      | 1        | 10/19/2019 14:23     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 85.3         |                   |           |            | 18.0-148  |          | 10/19/2019 14:23     | <a href="#">WG1365515</a> |

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.7   |           | 1        | 10/23/2019 15:31     | <a href="#">WG1367014</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier          | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|--------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 59.9         | <a href="#">J3</a> | 0.831     | 10.0       | 10.5      | 1        | 10/17/2019 21:56     | <a href="#">WG1364664</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0227    | 0.100      | 0.105     | 1        | 10/20/2019 02:47     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.6         |           |           |            | 77.0-120  |          | 10/20/2019 02:47     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000418  | 0.00100    | 0.00105   | 1        | 10/24/2019 12:23     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00402      | <a href="#">B J</a> | 0.00131   | 0.00500    | 0.00523   | 1        | 10/24/2019 12:23     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000554  | 0.00250    | 0.00261   | 1        | 10/24/2019 12:23     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00500   | 0.00650    | 0.00680   | 1        | 10/24/2019 12:23     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 99.3         |                     |           |            | 75.0-131  |          | 10/24/2019 12:23     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 94.3         |                     |           |            | 67.0-138  |          | 10/24/2019 12:23     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 125          |                     |           |            | 70.0-130  |          | 10/24/2019 12:23     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.68      | 4.00       | 4.18      | 1        | 10/19/2019 11:12     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | U            |           | 0.286     | 4.00       | 4.18      | 1        | 10/19/2019 11:12     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 78.2         |           |           |            | 18.0-148  |          | 10/19/2019 11:12     | <a href="#">WG1365515</a> |

Collected date/time: 10/10/19 11:50

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.1   |           | 1        | 10/23/2019 15:31     | <a href="#">WG1367014</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 505          |           | 0.828     | 10.0       | 10.4      | 1        | 10/17/2019 22:15     | <a href="#">WG1364664</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0228    | 0.100      | 0.105     | 1.01     | 10/20/2019 03:07     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.4         |           |           |            | 77.0-120  |          | 10/20/2019 03:07     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000421  | 0.00100    | 0.00105   | 1.01     | 10/24/2019 12:42     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00474      | <a href="#">B J</a> | 0.00131   | 0.00500    | 0.00526   | 1.01     | 10/24/2019 12:42     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000557  | 0.00250    | 0.00263   | 1.01     | 10/24/2019 12:42     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00503   | 0.00650    | 0.00683   | 1.01     | 10/24/2019 12:42     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 98.3         |                     |           |            | 75.0-131  |          | 10/24/2019 12:42     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 93.9         |                     |           |            | 67.0-138  |          | 10/24/2019 12:42     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 129          |                     |           |            | 70.0-130  |          | 10/24/2019 12:42     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.68      | 4.00       | 4.16      | 1        | 10/19/2019 11:25     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | U            |           | 0.285     | 4.00       | 4.16      | 1        | 10/19/2019 11:25     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 73.3         |           |           |            | 18.0-148  |          | 10/19/2019 11:25     | <a href="#">WG1365515</a> |

Collected date/time: 10/10/19 12:00

L1150129

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.0   |           | 1        | 10/23/2019 15:31     | <a href="#">WG1367014</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 641          |           | 0.855     | 10.0       | 10.7      | 1        | 10/17/2019 22:25     | <a href="#">WG1364664</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0233    | 0.100      | 0.107     | 1        | 10/20/2019 03:28     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.8         |           |           |            | 77.0-120  |          | 10/20/2019 03:28     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000430  | 0.00100    | 0.00107   | 1        | 10/24/2019 13:01     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00444      | <a href="#">B J</a> | 0.00134   | 0.00500    | 0.00537   | 1        | 10/24/2019 13:01     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000570  | 0.00250    | 0.00269   | 1        | 10/24/2019 13:01     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00514   | 0.00650    | 0.00699   | 1        | 10/24/2019 13:01     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 97.0         |                     |           |            | 75.0-131  |          | 10/24/2019 13:01     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 97.8         |                     |           |            | 67.0-138  |          | 10/24/2019 13:01     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 131          | <a href="#">J1</a>  |           |            | 70.0-130  |          | 10/24/2019 13:01     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.73      | 4.00       | 4.30      | 1        | 10/19/2019 13:57     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | U            |           | 0.295     | 4.00       | 4.30      | 1        | 10/19/2019 13:57     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 77.5         |           |           |            | 18.0-148  |          | 10/19/2019 13:57     | <a href="#">WG1365515</a> |

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.9   |           | 1        | 10/23/2019 15:31     | <a href="#">WG1367014</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 72.0         |           | 0.813     | 10.0       | 10.2      | 1        | 10/17/2019 22:34     | <a href="#">WG1364664</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0222    | 0.100      | 0.102     | 1        | 10/20/2019 03:48     | <a href="#">WG1365589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.6         |           |           |            | 77.0-120  |          | 10/20/2019 03:48     | <a href="#">WG1365589</a> |

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

| Analyte                   | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |                     | 0.000409  | 0.00100    | 0.00102   | 1        | 10/24/2019 13:20     | <a href="#">WG1368147</a> |
| Toluene                   | 0.00446      | <a href="#">B J</a> | 0.00128   | 0.00500    | 0.00511   | 1        | 10/24/2019 13:20     | <a href="#">WG1368147</a> |
| Ethylbenzene              | U            |                     | 0.000542  | 0.00250    | 0.00255   | 1        | 10/24/2019 13:20     | <a href="#">WG1368147</a> |
| Total Xylenes             | U            |                     | 0.00488   | 0.00650    | 0.00664   | 1        | 10/24/2019 13:20     | <a href="#">WG1368147</a> |
| (S) Toluene-d8            | 95.1         |                     |           |            | 75.0-131  |          | 10/24/2019 13:20     | <a href="#">WG1368147</a> |
| (S) 4-Bromofluorobenzene  | 94.3         |                     |           |            | 67.0-138  |          | 10/24/2019 13:20     | <a href="#">WG1368147</a> |
| (S) 1,2-Dichloroethane-d4 | 128          |                     |           |            | 70.0-130  |          | 10/24/2019 13:20     | <a href="#">WG1368147</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.65      | 4.00       | 4.09      | 1        | 10/19/2019 11:37     | <a href="#">WG1365515</a> |
| C28-C40 Oil Range    | U            |           | 0.280     | 4.00       | 4.09      | 1        | 10/19/2019 11:37     | <a href="#">WG1365515</a> |
| (S) o-Terphenyl      | 81.2         |           |           |            | 18.0-148  |          | 10/19/2019 11:37     | <a href="#">WG1365515</a> |



Method Blank (MB)

(MB) R3464447-1 10/23/19 13:32

| Analyte      | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
|              | %         |              | %      | %      |
| Total Solids | 0.00400   |              |        |        |

L1150123-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1150123-08 10/23/19 13:32 • (DUP) R3464447-3 10/23/19 13:32

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 76.7            | 76.6       | 1        | 0.0949  |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3464447-2 10/23/19 13:32

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

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Method Blank (MB)

(MB) R3464531-1 10/23/19 16:08

|              | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte      | %         |                     | %      | %      |
| Total Solids | 0.00800   |                     |        |        |

L1150129-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1150129-13 10/23/19 16:08 • (DUP) R3464531-3 10/23/19 16:08

|              | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte      | %               | %          |          | %       |                      | %              |
| Total Solids | 94.5            | 95.5       | 1        | 1.06    |                      | 10             |

Laboratory Control Sample (LCS)

(LCS) R3464531-2 10/23/19 16:08

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

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Method Blank (MB)

(MB) R3464524-1 10/23/19 15:58

| Analyte      | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| Total Solids | 0.00600   |              |        |        |

L1150129-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1150129-24 10/23/19 15:58 • (DUP) R3464524-3 10/23/19 15:58

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Total Solids | 94.2            | 93.9       | 1        | 0.256   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3464524-2 10/23/19 15:58

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Total Solids | 50.0         | 50.2       | 100      | 85.0-115    |               |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Method Blank (MB)

(MB) R3464518-1 10/23/19 15:44

|              | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| Analyte      | %         |              | %      | %      |
| Total Solids | 0.00600   |              |        |        |

L1150129-26 Original Sample (OS) • Duplicate (DUP)

(OS) L1150129-26 10/23/19 15:44 • (DUP) R3464518-3 10/23/19 15:44

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 98.0            | 98.0       | 1        | 0.00398 |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3464518-2 10/23/19 15:44

|              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Analyte      | %            | %          | %        | %           |               |
| Total Solids | 50.0         | 49.5       | 99.0     | 85.0-115    |               |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Method Blank (MB)

(MB) R3464512-1 10/23/19 15:31

| Analyte      | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
|              | %         |              | %      | %      |
| Total Solids | 0.00500   |              |        |        |

L1150129-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1150129-35 10/23/19 15:31 • (DUP) R3464512-3 10/23/19 15:31

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 89.8            | 90.3       | 1        | 0.471   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3464512-2 10/23/19 15:31

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

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Wet Chemistry by Method 300.0

[L1150129-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16](#)

Method Blank (MB)

(MB) R3462091-1 10/17/19 09:32

| Analyte  | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | 3.14               | <u>↓</u>     | 0.795           | 10.0            |

L1148806-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1148806-01 10/17/19 10:34 • (DUP) R3462091-3 10/17/19 10:50

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 25.8                              | 15.4                         | 1        | 50.5         | <u>P1</u>     | 20                     |

L1150129-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1150129-16 10/17/19 19:12 • (DUP) R3462091-8 10/17/19 19:27

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 70.9                              | 62.5                         | 1        | 12.6         |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3462091-2 10/17/19 09:47

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 208                 | 104           | 90.0-110         |               |

L1150129-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1150129-06 10/17/19 15:20 • (MS) R3462091-6 10/17/19 15:36 • (MSD) R3462091-7 10/17/19 15:51

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 522                            | 15400                             | 15100                    | 15200                        | 0.000        | 0.000         | 1        | 80.0-120         | <u>E V</u>   | <u>E V</u>    | 0.630    | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Wet Chemistry by Method 300.0

L1150129-17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36

Method Blank (MB)

(MB) R3462345-1 10/18/19 02:47

| Analyte  | MB Result<br>mg/kg | MB Qualifier   | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------|--------------------|----------------|-----------------|-----------------|
| Chloride | 4.55               | <span>⬇</span> | 0.795           | 10.0            |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1150129-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1150129-18 10/18/19 03:53 • (DUP) R3462345-3 10/18/19 04:02

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 226                               | 212                          | 1        | 6.40         |               | 20                     |

L1150129-31 Original Sample (OS) • Duplicate (DUP)

(OS) L1150129-31 10/18/19 06:44 • (DUP) R3462345-6 10/18/19 07:13

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 835                               | 872                          | 1        | 4.34         |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3462345-2 10/18/19 02:57

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 211                 | 105           | 90.0-110         |               |

L1150129-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1150129-23 10/18/19 04:50 • (MS) R3462345-4 10/18/19 05:19 • (MSD) R3462345-5 10/18/19 05:28

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier     | MSD Qualifier    | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|------------------|------------------|----------|-----------------|
| Chloride | 521                            | 786                               | 132                      | 134                          | 0.000        | 0.000         | .1       | 80.0-120         | <span>E V</span> | <span>E V</span> | 1.63     | 20              |

Wet Chemistry by Method 300.0

[L1150129-37,38,39,40,41,42,43](#)

Method Blank (MB)

(MB) R3462290-1 10/17/19 20:49

| Analyte  | MB Result<br>mg/kg | MB Qualifier   | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------|--------------------|----------------|-----------------|-----------------|
| Chloride | 4.71               | <span>⬇</span> | 0.795           | 10.0            |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1150129-40 Original Sample (OS) • Duplicate (DUP)

(OS) L1150129-40 10/17/19 21:56 • (DUP) R3462290-3 10/17/19 22:06

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier   | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|-----------------|------------------------|
| Chloride | 59.9                              | 43.5                         | 1        | 31.6         | <span>⬇3</span> | 20                     |

L1150137-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1150137-13 10/18/19 01:35 • (DUP) R3462290-6 10/18/19 01:45

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 42.9                              | 41.9                         | 1        | 2.37         |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3462290-2 10/17/19 20:58

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 212                 | 106           | 90.0-110         |               |

L1150137-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1150137-07 10/18/19 00:00 • (MS) R3462290-4 10/18/19 00:10 • (MSD) R3462290-5 10/18/19 00:19

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 534                            | 80.7                              | 629                      | 606                          | 103          | 98.3          | 1        | 80.0-120         |              |               | 3.76     | 20              |

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

[L1150129-01,02,03,04](#)

Method Blank (MB)

(MB) R3463179-3 10/19/19 08:43

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 99.7               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3463179-2 10/19/19 08:02

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.93                | 108           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 106           | 77.0-120         |               |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

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

[L1150129-23,24,25](#)

Method Blank (MB)

(MB) R3463326-2 10/19/19 01:22

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 95.9               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3463326-1 10/19/19 00:09

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 6.69                | 122           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 105           | 77.0-120         |               |

L1149584-68 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1149584-68 10/19/19 04:35 • (MS) R3463326-3 10/19/19 10:40 • (MSD) R3463326-4 10/19/19 11:04

| Analyte                            | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 1380                  | ND                       | 1070               | 1470                | 70.5         | 99.5          | 250      | 10.0-151         |              | J3            | 31.5     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                          |                    |                     | 103          | 104           |          | 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

L1150129-05,06,08,09,10,11,12,13

Method Blank (MB)

(MB) R3463293-2 10/18/19 11:53

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0656             | ⌵            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 105                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3463293-1 10/18/19 11:09

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.65                | 103           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 107           | 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

L1150129-29,30,31

Method Blank (MB)

(MB) R3463029-2 10/20/19 14:10

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0731             | J            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 106                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3463029-1 10/20/19 13:09

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.45                | 99.1          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 103           | 77.0-120         |               |

L1150129-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1150129-29 10/20/19 17:25 • (MS) R3463029-3 10/20/19 23:24 • (MSD) R3463029-4 10/20/19 23:46

| Analyte                            | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5.69                           | 0.0784                            | 1.22                     | 2.19                         | 20.1         | 37.2          | 1        | 10.0-151         |              | J3            | 57.0     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                                |                                   |                          |                              | 101          | 90.9          |          | 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

[L1150129-07,32,33,34,35,36,37,38,39,40,41,42,43](#)

Method Blank (MB)

(MB) R3463765-2 10/19/19 20:48

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

Laboratory Control Sample (LCS)

(LCS) R3463765-1 10/19/19 19:38

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.14                | 93.5          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 102           | 77.0-120         |               |

L1150129-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1150129-07 10/19/19 23:42 • (MS) R3463765-3 10/20/19 05:33 • (MSD) R3463765-4 10/20/19 05:54

| Analyte                            | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 575                            | 46.3                              | 589                      | 602                          | 94.3         | 96.5          | 100      | 10.0-151         |              |               | 2.11     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                                |                                   |                          |                              | 108          | 109           |          | 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) R3463627-3 10/20/19 10:23

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 95.9               |              |                 | 77.0-120        |

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

(LCS) R3463627-1 10/20/19 08:37 • (LCSD) R3463627-2 10/20/19 09:01

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 4.47                | 5.10                 | 81.3          | 92.7           | 72.0-127         |               |                | 13.2     | 20              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     |                      | 101           | 101            | 77.0-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3464295-2 10/23/19 15:11

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000400        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000530        | 0.00250         |
| Toluene                   | U                  |              | 0.00125         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.00478         | 0.00650         |
| (S) Toluene-d8            | 102                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 96.4               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 113                |              |                 | 70.0-130        |

Laboratory Control Sample (LCS)

(LCS) R3464295-1 10/23/19 14:13

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.122               | 97.6          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.117               | 93.6          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.0955              | 76.4          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.342               | 91.2          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 95.6          | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 97.4          | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 127           | 70.0-130         |               |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

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

L1150129-11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29,30

Method Blank (MB)

(MB) R3464224-3 10/23/19 06:53

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000400        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000530        | 0.00250         |
| Toluene                   | U                  |              | 0.00125         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.00478         | 0.00650         |
| (S) Toluene-d8            | 102                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 96.2               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 102                |              |                 | 70.0-130        |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

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

(LCS) R3464224-1 10/23/19 05:31 • (LCSD) R3464224-2 10/23/19 05:52

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.125                 | 0.136               | 0.128                | 109           | 102            | 70.0-123         |               |                | 6.06     | 20              |
| Ethylbenzene              | 0.125                 | 0.131               | 0.122                | 105           | 97.6           | 74.0-126         |               |                | 7.11     | 20              |
| Toluene                   | 0.125                 | 0.123               | 0.112                | 98.4          | 89.6           | 75.0-121         |               |                | 9.36     | 20              |
| Xylenes, Total            | 0.375                 | 0.337               | 0.308                | 89.9          | 82.1           | 72.0-127         |               |                | 8.99     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 104           | 103            | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 100           | 96.8           | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 106           | 107            | 70.0-130         |               |                |          |                 |

L1150129-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1150129-11 10/23/19 12:49 • (MS) R3464224-4 10/23/19 16:15 • (MSD) R3464224-5 10/23/19 16:36

| Analyte                   | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.127                          | U                                 | 0.117                    | 0.122                        | 92.0         | 96.0          | 1        | 10.0-149         |              |               | 4.26     | 37              |
| Ethylbenzene              | 0.127                          | U                                 | 0.111                    | 0.122                        | 87.2         | 96.0          | 1        | 10.0-160         |              |               | 9.61     | 38              |
| Toluene                   | 0.127                          | 0.0656                            | 0.159                    | 0.175                        | 73.4         | 86.2          | 1        | 10.0-156         |              |               | 9.76     | 38              |
| Xylenes, Total            | 0.382                          | U                                 | 0.273                    | 0.310                        | 71.5         | 81.1          | 1        | 10.0-160         |              |               | 12.6     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 102          | 100           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 98.1         | 95.2          |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 106          | 105           |          | 70.0-130         |              |               |          |                 |

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

[L1150129-31](#)

Method Blank (MB)

(MB) R3464169-3 10/23/19 09:42

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000400        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000530        | 0.00250         |
| Toluene                   | U                  |              | 0.00125         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.00478         | 0.00650         |
| (S) Toluene-d8            | 97.8               |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 97.2               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 121                |              |                 | 70.0-130        |

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

(LCS) R3464169-1 10/23/19 08:28 • (LCSD) R3464169-2 10/23/19 08:46

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.125                 | 0.112               | 0.116                | 89.6          | 92.8           | 70.0-123         |               |                | 3.51     | 20              |
| Ethylbenzene              | 0.125                 | 0.113               | 0.113                | 90.4          | 90.4           | 74.0-126         |               |                | 0.000    | 20              |
| Toluene                   | 0.125                 | 0.114               | 0.113                | 91.2          | 90.4           | 75.0-121         |               |                | 0.881    | 20              |
| Xylenes, Total            | 0.375                 | 0.372               | 0.378                | 99.2          | 101            | 72.0-127         |               |                | 1.60     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 97.5          | 95.4           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 96.9          | 94.9           | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 118           | 124            | 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

L1150129-32,33,34,35,36,37,38,39,40,41,42,43

Method Blank (MB)

(MB) R3464753-3 10/24/19 08:00

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000400        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000530        | 0.00250         |
| Toluene                   | 0.00165            | ⬇            | 0.00125         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.00478         | 0.00650         |
| (S) Toluene-d8            | 95.3               |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 95.6               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 121                |              |                 | 70.0-130        |

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

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

(LCS) R3464753-1 10/24/19 06:45 • (LCSD) R3464753-2 10/24/19 07:03

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.125                 | 0.107               | 0.108                | 85.6          | 86.4           | 70.0-123         |               |                | 0.930    | 20              |
| Ethylbenzene              | 0.125                 | 0.113               | 0.105                | 90.4          | 84.0           | 74.0-126         |               |                | 7.34     | 20              |
| Toluene                   | 0.125                 | 0.108               | 0.106                | 86.4          | 84.8           | 75.0-121         |               |                | 1.87     | 20              |
| Xylenes, Total            | 0.375                 | 0.352               | 0.350                | 93.9          | 93.3           | 72.0-127         |               |                | 0.570    | 20              |
| (S) Toluene-d8            |                       |                     |                      | 95.6          | 94.0           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 96.9          | 97.5           | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 119           | 124            | 70.0-130         |               |                |          |                 |

L1149492-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1149492-03 10/24/19 08:18 • (MS) R3464753-4 10/24/19 16:09 • (MSD) R3464753-5 10/24/19 16:28

| Analyte                   | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.125                 | ND                       | 0.103              | 0.109               | 82.4         | 87.2          | 1        | 10.0-149         |              |               | 5.66     | 37              |
| Ethylbenzene              | 0.125                 | ND                       | 0.0963             | 0.108               | 77.0         | 86.4          | 1        | 10.0-160         |              |               | 11.5     | 38              |
| Toluene                   | 0.125                 | ND                       | 0.104              | 0.109               | 83.2         | 87.2          | 1        | 10.0-156         |              |               | 4.69     | 38              |
| Xylenes, Total            | 0.375                 | ND                       | 0.327              | 0.354               | 87.2         | 94.4          | 1        | 10.0-160         |              |               | 7.93     | 38              |
| (S) Toluene-d8            |                       |                          |                    |                     | 94.4         | 95.3          |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                          |                    |                     | 93.9         | 96.6          |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                          |                    |                     | 126          | 128           |          | 70.0-130         |              |               |          |                 |

Semi-Volatile Organic Compounds (GC) by Method 8015

L1150129-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15

Method Blank (MB)

(MB) R3462667-1 10/18/19 23:10

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 58.6               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3462667-2 10/18/19 23:26

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 42.6                | 85.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 80.2          | 18.0-148         |               |

L1150129-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1150129-01 10/19/19 02:34 • (MS) R3462667-3 10/19/19 02:47 • (MSD) R3462667-4 10/19/19 03:00

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 53.4                           | 8.53                              | 50.6                     | 49.8                         | 78.6         | 77.2          | 1        | 50.0-150         |              |               | 1.49     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 56.8         | 56.6          |          | 18.0-148         |              |               |          |                 |

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

[L1150129-16,17,18,19,20,21,22,23,24,25,26,27,28,29,30,31,32,33](#)

Method Blank (MB)

(MB) R3462885-1 10/19/19 09:45

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 83.3               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3462885-2 10/19/19 09:59

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 37.9                | 75.8          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 68.6          | 18.0-148         |               |

L1150129-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1150129-18 10/19/19 10:38 • (MS) R3462885-3 10/19/19 10:51 • (MSD) R3462885-4 10/19/19 11:04

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 53.8                           | U                                 | 43.2                     | 51.0                         | 80.4         | 94.8          | 1        | 50.0-150         |              |               | 16.4     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 66.8         | 80.6          |          | 18.0-148         |              |               |          |                 |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Semi-Volatile Organic Compounds (GC) by Method 8015 L1150129-34,35,36,37,38,39,40,41,42,43

Method Blank (MB)

(MB) R3462800-1 10/19/19 09:30

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 88.3               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3462800-2 10/19/19 09:43

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 43.1                | 86.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 107           | 18.0-148         |               |

L1150129-35 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1150129-35 10/19/19 09:56 • (MS) R3462800-3 10/19/19 10:08 • (MSD) R3462800-4 10/19/19 10:21

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 53.2                           | U                                 | 46.9                     | 44.2                         | 88.1         | 83.2          | 1        | 50.0-150         |              |               | 5.87     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 96.7         | 91.7          |          | 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

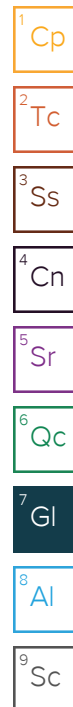
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MQL (dry)                    | Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MQL                          | Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ND                           | Not detected at the Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SDL                          | Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SDL (dry)                    | Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| (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 Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Unadj. MQL                   | Unadjusted Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| 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.                                                    |



| Qualifier | Description                                                                               |
|-----------|-------------------------------------------------------------------------------------------|
| J7        | Surrogate recovery cannot be used for control limit evaluation due to dilution.           |
| P1        | RPD value not applicable for sample concentrations less than 5 times the reporting limit. |
| V         | The sample concentration is too high to evaluate accurate spike recoveries.               |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* 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 National.

## State Accreditations

|                         |             |                             |                  |
|-------------------------|-------------|-----------------------------|------------------|
| Alabama                 | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                  | 17-026      | Nevada                      | TN-03-2002-34    |
| Arizona                 | AZ0612      | New Hampshire               | 2975             |
| Arkansas                | 88-0469     | New Jersey-NELAP            | TN002            |
| California              | 2932        | New Mexico <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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 <sup>1 6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | LAB0152          |
| Maryland                | 324         | Utah                        | TN00003          |
| Massachusetts           | M-TN003     | Vermont                     | VT2006           |
| Michigan                | 9958        | Virginia                    | 460132           |
| Minnesota               | 047-999-395 | Washington                  | C847             |
| Mississippi             | TN00003     | West Virginia               | 233              |
| Missouri                | 340         | Wisconsin                   | 9980939910       |
| Montana                 | CERT0086    | Wyoming                     | A2LA             |

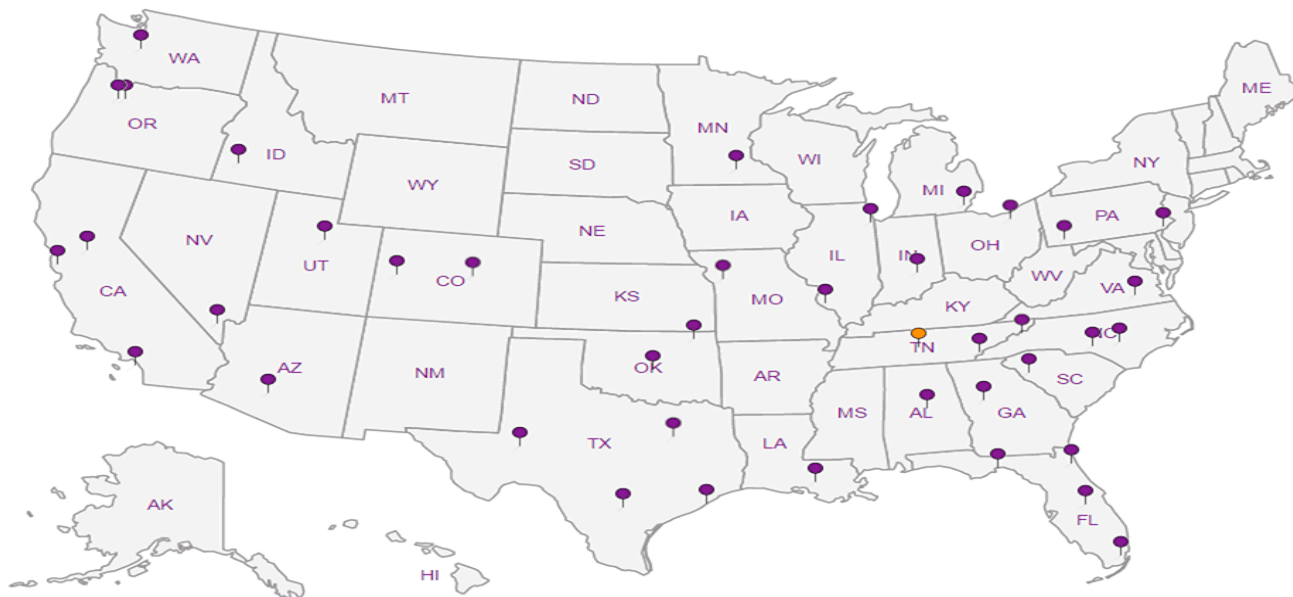
## Third Party Federal Accreditations

|                               |         |                     |               |
|-------------------------------|---------|---------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP, LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                 | 1461.01       |
| Canada                        | 1461.01 | USDA                | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                     |               |

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

## Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.





F198

Page : 1 of 5



# 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 Lull |
|---------------|----------------|

|               |                     |
|---------------|---------------------|
| Project Name: | COP EVGSAU 3308-007 |
|---------------|---------------------|

|                                      |                        |
|--------------------------------------|------------------------|
| Project Location:<br>(county, state) | Lea County, New Mexico |
|--------------------------------------|------------------------|

|            |               |
|------------|---------------|
| Project #: | 212C-MD-01929 |
|------------|---------------|

|             |                                                                          |
|-------------|--------------------------------------------------------------------------|
| Invoice to: | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 |
|-------------|--------------------------------------------------------------------------|

Receiving Laboratory: Pace Analytical

**Sampler Signature:**

Comments: Run deeper samples if GRO+DRO exceeds 100 mg/kg or if benzene exceeds 10 mg/kg or if total BTEX exceeds 50 mg/kg or if chlorides exceed 600 mg/kg.

**COPTETRA Acctnum**

ANALYSIS REQUEST  
(Circle or Specify Method No.)

| LAB #<br><br>( LAB USE ONLY ) | SAMPLE IDENTIFICATION | SAMPLING   |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX 8021B | TPH TX1005 (Ext to C | TPH 8015M ( GRO - | PAH 8270C | Total Metals Ag As Ba | TCLP Metals Ag As Ba | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 6 | GC/MS Semi. Vol. 82 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate | General Water Chemis | Anion/Cation Balance | TPH 8015R | HOLD |
|-------------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|------------|----------------------|-------------------|-----------|-----------------------|----------------------|----------------|---------------------|-----|----------------------|---------------------|------------------|------|----------------|----------------|------------------|----------------------|----------------------|-----------|------|
|                               |                       | YEAR: 2019 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                |            |            |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                |                |                  |                      |                      |           |      |
|                               |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |            |            |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                |                |                  |                      |                      |           |      |
| 01                            | BH-1 (0'- 1')         | 10/9/2019  | 1030 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |
| 02                            | BH-1 (2'- 3')         | 10/9/2019  | 1040 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |
| 03                            | BH-1 (4'- 5')         | 10/9/2019  | 1050 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |
| 04                            | BH-1 (6'- 7')         | 10/9/2019  | 1100 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |
| 05                            | BH-1 (9'- 10')        | 10/9/2019  | 1110 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |
| 06                            | BH-2 (0'- 1')         | 10/9/2019  | 1130 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |
| 07                            | BH-2 (2'- 3')         | 10/9/2019  | 1140 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |
| 08                            | BH-2 (4'- 5')         | 10/9/2019  | 1150 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |
| 09                            | BH-2 (6'- 7')         | 10/9/2019  | 1200 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |
| 10                            | BH-2 (9'- 10')        | 10/9/2019  | 1210 |        | X    |                     |                  | X   |      | 1            | N              | X          | X          |                      |                   |           |                       |                      |                |                     |     |                      |                     |                  |      |                | X              |                  |                      |                      |           |      |

Relinquished by: L. B. Date: 10-14-19 Time: 14:00

Received by: *[Signature]* Date: 10-14-19 Time: 14:00

**LAB USE ONLY**

REMARKS:

☒ STANDARD

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Sample Temperature

☐ RUSH: Same Day 24 hr 48 hr 72 hr

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

☐ Rush Charges Authorized☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: \_\_\_\_\_

ORIGINAL COPY

$$0,2 - 0 = 0,2 \text{ As per}$$

**RAD SCREEN:**  $<0.5$  mR/hr



### Analysis Request of Chain of Custody Record

[illegible]

ORIGINAL COPY

RAD SCREEN: <0.5 mR/hr

Released to Imaging: 3/23/2021 4:38:24 PM

$0.2 - 0 = 0.2$  Asm



## Analysis Request of Chain of Custody Record

| <div style="text-align: center;"> Tetra Tech, Inc.</div>                                                                                                                                                                                            |                       |            |       |                                             | 901 West Wall Street, Suite 100<br>Midland, Texas 79701<br>Tel (432) 682-4559<br>Fax (432) 682-3946 |       |       |              |              |                                                                                                                                                                                                                                                     |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|-------|---------------------------------------------|-----------------------------------------------------------------------------------------------------|-------|-------|--------------|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|-------------------------|-------------------------------------|------------------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|-------------------|------|----------------|----------------|-------------|---------------------------------------------|----------------------|-----------|------|--|--|--|
| Client Name:<br><div>Conoco Phillips</div>                                                                                                                                                                                                          |                       |            |       | Site Manager:<br><div>Christian Llull</div> |                                                                                                     |       |       |              |              |                                                                                                                                                                                                                                                     |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
| Project Name:<br><div>COP EVGSAU 3308-007</div>                                                                                                                                                                                                     |                       |            |       |                                             |                                                                                                     |       |       |              |              |                                                                                                                                                                                                                                                     |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
| Project Location:<br>(county, state)<br><div>Lea County, New Mexico</div>                                                                                                                                                                           |                       |            |       | Project #:<br><div>212C-MD-01929</div>      |                                                                                                     |       |       |              |              |                                                                                                                                                                                                                                                     |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
| Invoice to:<br><div>Accounts Payable<br/>901 West Wall Street, Suite 100 Midland, Texas 79701</div>                                                                                                                                                 |                       |            |       |                                             |                                                                                                     |       |       |              |              |                                                                                                                                                                                                                                                     |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
| Receiving Laboratory:<br><div>Pace Analytical</div>                                                                                                                                                                                                 |                       |            |       | Sampler Signature:<br>                      |                                                                                                     |       |       |              |              |                                                                                                                                                                                                                                                     |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
| Comments:<br><div>Run deeper samples if GRO+DRO exceeds 100 mg/kg or if benzene exceeds 10 mg/kg or if total BTEX exceeds 50 mg/kg or if chlorides exceed 600 mg/kg.<br/><div style="float: right; font-weight: bold;">COPTETRA Acctnum</div></div> |                       |            |       |                                             |                                                                                                     |       |       |              |              |                                                                                                                                                                                                                                                     |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
| ( LAB USE ONLY )<br>LAB #                                                                                                                                                                                                                           | SAMPLE IDENTIFICATION | SAMPLING   |       | MATRIX                                      | PRESERVATIVE METHOD                                                                                 |       |       |              | # CONTAINERS | FILTERED (Y/N)                                                                                                                                                                                                                                      | ANALYSIS REQUEST<br>(Circle or Specify Method No.) |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
|                                                                                                                                                                                                                                                     |                       | YEAR: 2019 |       |                                             |                                                                                                     |       |       |              |              |                                                                                                                                                                                                                                                     | 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 | RCl | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCBs's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD |  |  |  |
|                                                                                                                                                                                                                                                     |                       | DATE       | TIME  |                                             |                                                                                                     |       |       |              |              |                                                                                                                                                                                                                                                     | WATER                                              | SOIL                    | HCL                                 | HNO <sub>3</sub> | ICE                                  | NONE                                |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
| 21                                                                                                                                                                                                                                                  | BH-4 (9'- 10')        | 10/9/2019  | 1410  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| 22                                                                                                                                                                                                                                                  | BH-4 (14'- 15')       | 10/9/2019  | 1420  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| 23                                                                                                                                                                                                                                                  | BH-5 (0'- 1')         | 10/9/2019  | 1430  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| 24                                                                                                                                                                                                                                                  | BH-5 (2'- 3')         | 10/9/2019  | 1440  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| 25                                                                                                                                                                                                                                                  | BH-5 (4'- 5')         | 10/9/2019  | 1450  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| 26                                                                                                                                                                                                                                                  | BH-5 (6'- 7')         | 10/9/2019  | 1500  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| 27                                                                                                                                                                                                                                                  | BH-5 (9'- 10')        | 10/9/2019  | 1510  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| 28                                                                                                                                                                                                                                                  | BH-5 (14'- 15')       | 10/9/2019  | 1520  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| 29                                                                                                                                                                                                                                                  | BH-6 (0'- 1')         | 10/9/2019  | 1530  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| 30                                                                                                                                                                                                                                                  | BH-6 (2'- 3')         | 10/9/2019  | 1540  | X                                           |                                                                                                     |       | X     |              | 1            | N                                                                                                                                                                                                                                                   | X                                                  | X                       |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             | X                                           |                      |           |      |  |  |  |
| Relinquished by:                                                                                                                                                                                                                                    |                       | Date:      | Time: | Received by:                                |                                                                                                     | Date: | Time: | LAB USE ONLY |              | REMARKS:<br><input checked="" type="checkbox"/> STANDARD<br><input type="checkbox"/> RUSH: Same Day    24 hr    48 hr    72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
| Relinquished by:                                                                                                                                                                                                                                    |                       | Date:      | Time: | Received by:                                |                                                                                                     | Date: | Time: |              |              |                                                                                                                                                                                                                                                     |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |
| Relinquished by:                                                                                                                                                                                                                                    |                       | Date:      | Time: | Received by:                                |                                                                                                     | Date: | Time: |              |              |                                                                                                                                                                                                                                                     |                                                    |                         |                                     |                  |                                      |                                     |                |                     |     |                        |                            |                   |      |                |                |             |                                             |                      |           |      |  |  |  |

(Circle) HAND DELIVERED   FEDEX   UPS   Tracking #: \_\_\_\_\_

ORIGINAL COPY

RAD SCREEN: <0.5 mR/hr

Released to Imaging: 3/23/2021 4:38:24 PM



### Analysis Request of Chain of Custody Record

|                                                                                                                                                                                            |       |                                             |       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                                                             |                         |                                                                                                                                       |       |                                                                                                                                                                                                                                                                                              |                         |                                                                                                                       |                         |                                      |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|---------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|-------------------------------------------------------------|-------------------------|---------------------------------------------------------------------------------------------------------------------------------------|-------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|-----------------------------------------------------------------------------------------------------------------------|-------------------------|--------------------------------------|---------------------|---------------------------------------------------------------------------------------------------------------|------------|-------------|------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------|------------|-------------------------|----------------|----------|--------------|-------------------------|-------------|-------------------------|---------------------------------------------|----------------------|-----|------------|-------------|------------------|-----------|-------|------------|------|----------------|----------|-------|----------|---------|-----|---------------------------------------------|----------------------|-----|-------|------|
| <div><div><div>Tt</div></div><div><div>Tetra Tech, Inc.</div><div>901 West Wall Street, Suite 100<br/>Midland, Texas 79701<br/>Tel (432) 682-4559<br/>Fax (432) 682-3946</div></div></div> |       |                                             |       | <div><div>ANALYSIS REQUEST</div><div>(Circle or Specify Method No.)</div><table><tr><td>BTEX</td><td>8021B</td><td>BTEX</td><td>8260B</td><td>TPH</td><td>TX1005 (Ext to C35)</td><td>TPH</td><td>8015M (GRO - DRO - MRO)</td><td>PAH</td><td>8270C</td><td>Total Metals</td><td>Ag As Ba Cd Cr Pb Se Hg</td><td>TCLP Metals</td><td>Ag As Ba Cd Cr Pb Se Hg</td><td>TCLP Volatiles</td><td>TCLP Semi Volatiles</td><td>RCI</td><td>GC/MS Vol.</td><td>8260B / 624</td><td>GC/MS Semi. Vol.</td><td>8270C/625</td><td>PCB's</td><td>8082 / 608</td><td>NORM</td><td>PLM (Asbestos)</td><td>Chloride</td><td>300.0</td><td>Chloride</td><td>Sulfate</td><td>TDS</td><td>General Water Chemistry (see attached list)</td><td>Anion/Cation Balance</td><td>TPH</td><td>8015R</td><td>HOLD</td></tr></table></div> |                     |                                                             |                         |                                                                                                                                       |       |                                                                                                                                                                                                                                                                                              |                         |                                                                                                                       |                         |                                      |                     | BTEX                                                                                                          | 8021B      | BTEX        | 8260B            | TPH                                                                                                                                                                                                                      | TX1005 (Ext to C35) | TPH        | 8015M (GRO - DRO - 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 |
| BTEX                                                                                                                                                                                       | 8021B | BTEX                                        | 8260B | TPH                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            | TX1005 (Ext to C35) | TPH                                                         | 8015M (GRO - DRO - 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        |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| <div><div>Client Name:</div><div>Conoco Phillips</div><div>Site Manager:</div><div>Christian Llull</div></div>                                                                             |       |                                             |       | <div><div>Project Name:</div><div>COP EVGSAU 3308-007</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     |                                                             |                         | <div><div>Project Location:</div><div>(county, state) Lea County, New Mexico</div><div>Project #:</div><div>212C-MD-01929</div></div> |       |                                                                                                                                                                                                                                                                                              |                         | <div><div>Invoice to:</div><div>Accounts Payable<br/>901 West Wall Street, Suite 100 Midland, Texas 79701</div></div> |                         |                                      |                     | <div><div>Receiving Laboratory:</div><div>Pace Analytical</div><div>Sampler Signature:</div><div></div></div> |            |             |                  | <div><div>Comments:</div><div>Run deeper samples if GRO+DRO exceeds 100 mg/kg or if benzene exceeds 10 mg/kg or if total BTEX exceeds 50 mg/kg or if chlorides exceed 600 mg/kg.</div><div>COP TETRA Acctnum</div></div> |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| <div><div>LAB #</div><div>(LAB USE ONLY)</div></div>                                                                                                                                       |       | <div><div>SAMPLE IDENTIFICATION</div></div> |       | <div><div>SAMPLING</div><div>YEAR: 2019</div><div>DATE</div><div>TIME</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                     | <div><div>MATRIX</div><div>WATER</div><div>SOIL</div></div> |                         | <div><div>PRESERVATIVE METHOD</div><div>HCL</div><div>HNO3</div><div>ICE</div><div>NONE</div></div>                                   |       |                                                                                                                                                                                                                                                                                              |                         | <div><div># CONTAINERS</div></div>                                                                                    |                         | <div><div>FILTERED (Y/N)</div></div> |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 31                                                                                                                                                                                         |       | BH-6 (4'- 5')                               |       | 10/9/2019 1550                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 32                                                                                                                                                                                         |       | BH-7 (0'- 1')                               |       | 10/10/2019 1000                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 33                                                                                                                                                                                         |       | BH-7 (2'- 3')                               |       | 10/10/2019 1010                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 34                                                                                                                                                                                         |       | BH-7 (4'- 5')                               |       | 10/10/2019 1020                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 35                                                                                                                                                                                         |       | BH-7 (6'- 7')                               |       | 10/10/2019 1030                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 36                                                                                                                                                                                         |       | BH-7 (9'- 10')                              |       | 10/10/2019 1040                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 37                                                                                                                                                                                         |       | BH-7 (14'- 15')                             |       | 10/10/2019 1050                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 38                                                                                                                                                                                         |       | BH-8 (0'- 1')                               |       | 10/10/2019 1120                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 39                                                                                                                                                                                         |       | BH-8 (2'- 3')                               |       | 10/10/2019 1130                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| 40                                                                                                                                                                                         |       | BH-8 (4'- 5')                               |       | 10/10/2019 1140                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     | X                                                           |                         | X                                                                                                                                     |       |                                                                                                                                                                                                                                                                                              |                         | 1 N                                                                                                                   |                         | X X                                  |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| <div><div>Relinquished by:</div><div></div><div>Date:</div><div>10-14-19</div><div>Time:</div><div>14:00</div></div>                                                                       |       |                                             |       | <div><div>Received by:</div><div></div><div>Date:</div><div>10-14-19</div><div>Time:</div><div>14:00</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                     |                                                             |                         | <div><div>LAB USE ONLY</div></div>                                                                                                    |       | <div><div>REMARKS:</div><div><input checked="" type="checkbox"/> STANDARD</div><div><input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr</div><div><input type="checkbox"/> Rush Charges Authorized</div><div><input type="checkbox"/> Special Report Limits or TRRP Report</div></div> |                         |                                                                                                                       |                         |                                      |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| <div><div>Relinquished by:</div><div></div><div>Date:</div><div></div><div>Time:</div><div></div></div>                                                                                    |       |                                             |       | <div><div>Received by:</div><div></div><div>Date:</div><div></div><div>Time:</div><div></div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                     |                                                             |                         | <div><div>Sample Temperature</div></div>                                                                                              |       |                                                                                                                                                                                                                                                                                              |                         |                                                                                                                       |                         |                                      |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |
| <div><div>Relinquished by:</div><div></div><div>Date:</div><div></div><div>Time:</div><div></div></div>                                                                                    |       |                                             |       | <div><div>Received by:</div><div></div><div>Date:</div><div>10/15/19</div><div>Time:</div><div>9:15</div></div>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                     |                                                             |                         |                                                                                                                                       |       | <div>(Circle) HAND DELIVERED FEDEX UPS Tracking #:</div>                                                                                                                                                                                                                                     |                         |                                                                                                                       |                         |                                      |                     |                                                                                                               |            |             |                  |                                                                                                                                                                                                                          |                     |            |                         |                |          |              |                         |             |                         |                                             |                      |     |            |             |                  |           |       |            |      |                |          |       |          |         |     |                                             |                      |     |       |      |

ORIGINAL COPY

RAD. SCREEN:  $<0.5$  mR/hr







Pace Analytical National Center for Testing & Innovation  
Cooler Receipt Form

| Client:                         | COTTETRA                                                                          | 1150129                             |                          |
|---------------------------------|-----------------------------------------------------------------------------------|-------------------------------------|--------------------------|
| Cooler Received/Opened On:      | 10/15/19                                                                          | Temperature:                        | 0.2                      |
| Received By:                    | Hailey Melson                                                                     |                                     |                          |
| Signature:                      |  |                                     |                          |
|                                 | NP                                                                                | Yes                                 | No                       |
| Receipt Check List              |                                                                                   |                                     |                          |
| COC Seal Present / Intact?      | <input checked="" type="checkbox"/>                                               | <input type="checkbox"/>            | <input type="checkbox"/> |
| COC Signed / Accurate?          | <input type="checkbox"/>                                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Bottles arrive intact?          | <input type="checkbox"/>                                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Correct bottles used?           | <input type="checkbox"/>                                                          | <input checked="" type="checkbox"/> | <input type="checkbox"/> |
| Sufficient volume sent?         | <input type="checkbox"/>                                                          | <input type="checkbox"/>            | <input type="checkbox"/> |
| If Applicable                   | <input type="checkbox"/>                                                          | <input type="checkbox"/>            | <input type="checkbox"/> |
| VOA Zero headspace?             | <input type="checkbox"/>                                                          | <input type="checkbox"/>            | <input type="checkbox"/> |
| Preservation Correct / Checked? | <input type="checkbox"/>                                                          | <input type="checkbox"/>            | <input type="checkbox"/> |



## ANALYTICAL REPORT

June 08, 2020

**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1223379  
Samples Received: 05/29/2020  
Project Number: 212C-MD-01929  
Description: COP EVGSAU 3308-007

Report To: Christinal 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.



|                                                     |           |
|-----------------------------------------------------|-----------|
| <b>Cp: Cover Page</b>                               | <b>1</b>  |
| <b>Tc: Table of Contents</b>                        | <b>2</b>  |
| <b>Ss: Sample Summary</b>                           | <b>3</b>  |
| <b>Cn: Case Narrative</b>                           | <b>5</b>  |
| <b>Sr: Sample Results</b>                           | <b>6</b>  |
| BH-20-1W (0-1) L1223379-01                          | 6         |
| BH-20-1W (2-3) L1223379-02                          | 7         |
| BH-20-1W (4-5) L1223379-03                          | 8         |
| BH-20-1W (6-7) L1223379-04                          | 9         |
| BH-20-1W (9-10) L1223379-05                         | 10        |
| BH-20-2W (0-1) L1223379-06                          | 11        |
| BH-20-2W (2-3) L1223379-07                          | 12        |
| BH-20-2W (4-5) L1223379-08                          | 13        |
| <b>Qc: Quality Control Summary</b>                  | <b>14</b> |
| Total Solids by Method 2540 G-2011                  | 14        |
| Wet Chemistry by Method 300.0                       | 16        |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 17        |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 19        |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 20        |
| <b>Gl: Glossary of Terms</b>                        | <b>22</b> |
| <b>Al: Accreditations &amp; Locations</b>           | <b>23</b> |
| <b>Sc: Sample Chain of Custody</b>                  | <b>24</b> |





## BH-20-1W (0-1) L1223379-01 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 08:00

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486307 | 1        | 06/03/20 22:07        | 06/03/20 22:18     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 00:43     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485299 | 1        | 05/30/20 10:41        | 06/01/20 17:17     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485238 | 1        | 05/30/20 10:41        | 06/01/20 15:46     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1484968 | 1        | 06/02/20 07:56        | 06/05/20 14:45     | KME     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

## BH-20-1W (2-3) L1223379-02 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 08:05

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486307 | 1        | 06/03/20 22:07        | 06/03/20 22:18     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 00:58     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485299 | 1        | 05/30/20 10:41        | 06/01/20 16:21     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485238 | 1        | 05/30/20 10:41        | 06/01/20 16:05     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1484968 | 1        | 06/02/20 07:56        | 06/03/20 07:04     | KME     | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

## BH-20-1W (4-5) L1223379-03 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 08:10

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486307 | 1        | 06/03/20 22:07        | 06/03/20 22:18     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 01:13     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485299 | 1        | 05/30/20 10:41        | 06/01/20 17:40     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485238 | 1        | 05/30/20 10:41        | 06/01/20 16:24     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1484968 | 1        | 06/02/20 07:56        | 06/03/20 06:01     | KME     | Mt. Juliet, TN |

9 Sc

## BH-20-1W (6-7) L1223379-04 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 08:20

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486307 | 1        | 06/03/20 22:07        | 06/03/20 22:18     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 01:28     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485299 | 1        | 05/30/20 10:41        | 06/01/20 18:02     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485238 | 1        | 05/30/20 10:41        | 06/01/20 16:43     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1484968 | 1        | 06/02/20 07:56        | 06/03/20 06:17     | KME     | Mt. Juliet, TN |

## BH-20-1W (9-10) L1223379-05 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 08:30

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486307 | 1        | 06/03/20 22:07        | 06/03/20 22:18     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 01:58     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:41        | 06/01/20 14:38     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485238 | 1        | 05/30/20 10:41        | 06/01/20 17:02     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1484968 | 1        | 06/02/20 07:56        | 06/03/20 06:33     | KME     | Mt. Juliet, TN |

## BH-20-2W (0-1) L1223379-06 Solid

Collected by Joe Tyler  
 Collected date/time 05/21/20 09:00  
 Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486307 | 1        | 06/03/20 22:07        | 06/03/20 22:18     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 02:13     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:41        | 06/01/20 15:27     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485238 | 1        | 05/30/20 10:41        | 06/01/20 17:21     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1484968 | 1        | 06/02/20 07:56        | 06/03/20 06:48     | KME     | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-20-2W (2-3) L1223379-07 Solid

Collected by Joe Tyler  
 Collected date/time 05/21/20 09:05  
 Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 02:28     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:41        | 06/01/20 15:48     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485238 | 1        | 05/30/20 10:41        | 06/01/20 17:40     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1485512 | 1        | 06/02/20 12:46        | 06/02/20 19:56     | KME     | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

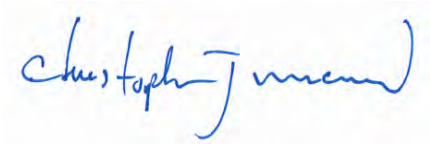
## BH-20-2W (4-5) L1223379-08 Solid

Collected by Joe Tyler  
 Collected date/time 05/21/20 09:10  
 Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 03:13     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:41        | 06/01/20 17:38     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485238 | 1        | 05/30/20 10:41        | 06/01/20 17:59     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1485512 | 1        | 06/02/20 12:46        | 06/02/20 20:09     | KME     | Mt. Juliet, TN |

<sup>9</sup> 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.



Chris McCord  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Collected date/time: 05/21/20 08:00

L1223379

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.4   |           | 1        | 06/03/2020 22:18     | <a href="#">WG1486307</a> |

## 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                  |           | 9.64            | 21.0            | 1        | 06/05/2020 00:43     | <a href="#">WG1485960</a> |

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

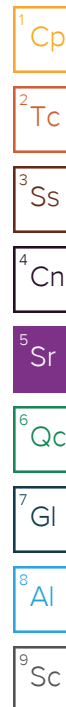
| Analyte                         | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0813             | <a href="#">B J</a> | 0.0227          | 0.105           | 1        | 06/01/2020 17:17     | <a href="#">WG1485299</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.4               |                     |                 | 77.0-120        |          | 06/01/2020 17:17     | <a href="#">WG1485299</a> |

## 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        | 06/01/2020 15:46     | <a href="#">WG1485238</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00524         | 1        | 06/01/2020 15:46     | <a href="#">WG1485238</a> |
| Ethylbenzene              | U                  |           | 0.000772        | 0.00262         | 1        | 06/01/2020 15:46     | <a href="#">WG1485238</a> |
| Total Xylenes             | U                  |           | 0.000922        | 0.00681         | 1        | 06/01/2020 15:46     | <a href="#">WG1485238</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 06/01/2020 15:46     | <a href="#">WG1485238</a> |
| (S) 4-Bromofluorobenzene  | 92.4               |           |                 | 67.0-138        |          | 06/01/2020 15:46     | <a href="#">WG1485238</a> |
| (S) 1,2-Dichloroethane-d4 | 79.4               |           |                 | 70.0-130        |          | 06/01/2020 15:46     | <a href="#">WG1485238</a> |

## 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 | 10.6               |                   | 1.69            | 4.19            | 1        | 06/05/2020 14:45     | <a href="#">WG1484968</a> |
| C28-C40 Oil Range    | 20.4               | <a href="#">B</a> | 0.287           | 4.19            | 1        | 06/05/2020 14:45     | <a href="#">WG1484968</a> |
| (S) o-Terphenyl      | 129                |                   |                 | 18.0-148        |          | 06/05/2020 14:45     | <a href="#">WG1484968</a> |



Collected date/time: 05/21/20 08:05

L1223379

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.1   |           | 1        | 06/03/2020 22:18     | <a href="#">WG1486307</a> |

## 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 | 18.2               | J         | 9.38            | 20.4            | 1        | 06/05/2020 00:58     | <a href="#">WG1485960</a> |

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

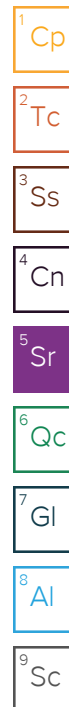
| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0567             | B J       | 0.0221          | 0.102           | 1        | 06/01/2020 16:21     | <a href="#">WG1485299</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 92.9               |           |                 | 77.0-120        |          | 06/01/2020 16:21     | <a href="#">WG1485299</a> |

## 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        | 06/01/2020 16:05     | <a href="#">WG1485238</a> |
| Toluene                   | U                  |           | 0.00133         | 0.00510         | 1        | 06/01/2020 16:05     | <a href="#">WG1485238</a> |
| Ethylbenzene              | U                  |           | 0.000751        | 0.00255         | 1        | 06/01/2020 16:05     | <a href="#">WG1485238</a> |
| Total Xylenes             | U                  |           | 0.000897        | 0.00663         | 1        | 06/01/2020 16:05     | <a href="#">WG1485238</a> |
| (S) Toluene-d8            | 107                |           |                 | 75.0-131        |          | 06/01/2020 16:05     | <a href="#">WG1485238</a> |
| (S) 4-Bromofluorobenzene  | 93.7               |           |                 | 67.0-138        |          | 06/01/2020 16:05     | <a href="#">WG1485238</a> |
| (S) 1,2-Dichloroethane-d4 | 78.1               |           |                 | 70.0-130        |          | 06/01/2020 16:05     | <a href="#">WG1485238</a> |

## 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            | 4.08            | 1        | 06/03/2020 07:04     | <a href="#">WG1484968</a> |
| C28-C40 Oil Range    | 1.65               | B J       | 0.279           | 4.08            | 1        | 06/03/2020 07:04     | <a href="#">WG1484968</a> |
| (S) o-Terphenyl      | 70.9               |           |                 | 18.0-148        |          | 06/03/2020 07:04     | <a href="#">WG1484968</a> |



Collected date/time: 05/21/20 08:10

L1223379

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.3   |           | 1        | 06/03/2020 22:18 | <a href="#">WG1486307</a> |

## 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 | 47.6         |           | 9.45      | 20.5      | 1        | 06/05/2020 01:13 | <a href="#">WG1485960</a> |

## 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       | 0.0497       | <a href="#">B J</a> | 0.0223    | 0.103     | 1        | 06/01/2020 17:40 | <a href="#">WG1485299</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.0         |                     |           | 77.0-120  |          | 06/01/2020 17:40 | <a href="#">WG1485299</a> |

## 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            |           | 0.000480  | 0.00103   | 1        | 06/01/2020 16:24 | <a href="#">WG1485238</a> |
| Toluene                   | U            |           | 0.00134   | 0.00514   | 1        | 06/01/2020 16:24 | <a href="#">WG1485238</a> |
| Ethylbenzene              | U            |           | 0.000757  | 0.00257   | 1        | 06/01/2020 16:24 | <a href="#">WG1485238</a> |
| Total Xylenes             | U            |           | 0.000904  | 0.00668   | 1        | 06/01/2020 16:24 | <a href="#">WG1485238</a> |
| (S) Toluene-d8            | 106          |           |           | 75.0-131  |          | 06/01/2020 16:24 | <a href="#">WG1485238</a> |
| (S) 4-Bromofluorobenzene  | 92.7         |           |           | 67.0-138  |          | 06/01/2020 16:24 | <a href="#">WG1485238</a> |
| (S) 1,2-Dichloroethane-d4 | 75.9         |           |           | 70.0-130  |          | 06/01/2020 16:24 | <a href="#">WG1485238</a> |

## 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            |                     | 1.65      | 4.11      | 1        | 06/03/2020 06:01 | <a href="#">WG1484968</a> |
| C28-C40 Oil Range    | 1.32         | <a href="#">B J</a> | 0.282     | 4.11      | 1        | 06/03/2020 06:01 | <a href="#">WG1484968</a> |
| (S) o-Terphenyl      | 67.7         |                     |           | 18.0-148  |          | 06/03/2020 06:01 | <a href="#">WG1484968</a> |



Collected date/time: 05/21/20 08:20

L1223379

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.6   |           | 1        | 06/03/2020 22:18     | <a href="#">WG1486307</a> |

## 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 | 175                |           | 9.62            | 20.9            | 1        | 06/05/2020 01:28     | <a href="#">WG1485960</a> |

## 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       | 0.0463             | <a href="#">B J</a> | 0.0227          | 0.105           | 1        | 06/01/2020 18:02     | <a href="#">WG1485299</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.9               |                     |                 | 77.0-120        |          | 06/01/2020 18:02     | <a href="#">WG1485299</a> |

## 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        | 0.00105         | 1        | 06/01/2020 16:43     | <a href="#">WG1485238</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00523         | 1        | 06/01/2020 16:43     | <a href="#">WG1485238</a> |
| Ethylbenzene              | U                  |           | 0.000771        | 0.00261         | 1        | 06/01/2020 16:43     | <a href="#">WG1485238</a> |
| Total Xylenes             | U                  |           | 0.000920        | 0.00680         | 1        | 06/01/2020 16:43     | <a href="#">WG1485238</a> |
| (S) Toluene-d8            | 108                |           |                 | 75.0-131        |          | 06/01/2020 16:43     | <a href="#">WG1485238</a> |
| (S) 4-Bromofluorobenzene  | 93.0               |           |                 | 67.0-138        |          | 06/01/2020 16:43     | <a href="#">WG1485238</a> |
| (S) 1,2-Dichloroethane-d4 | 75.9               |           |                 | 70.0-130        |          | 06/01/2020 16:43     | <a href="#">WG1485238</a> |

## 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        | 06/03/2020 06:17     | <a href="#">WG1484968</a> |
| C28-C40 Oil Range    | U                  |           | 0.287           | 4.18            | 1        | 06/03/2020 06:17     | <a href="#">WG1484968</a> |
| (S) o-Terphenyl      | 72.0               |           |                 | 18.0-148        |          | 06/03/2020 06:17     | <a href="#">WG1484968</a> |

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

Collected date/time: 05/21/20 08:30

L1223379

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.9   |           | 1        | 06/03/2020 22:18     | <a href="#">WG1486307</a> |

## 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 | 191                |           | 9.59            | 20.9            | 1        | 06/05/2020 01:58     | <a href="#">WG1485960</a> |

## 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        | 06/01/2020 14:38     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102                |           |                 | 77.0-120        |          | 06/01/2020 14:38     | <a href="#">WG1485339</a> |

## 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        | 06/01/2020 17:02     | <a href="#">WG1485238</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00521         | 1        | 06/01/2020 17:02     | <a href="#">WG1485238</a> |
| Ethylbenzene              | U                  |           | 0.000768        | 0.00261         | 1        | 06/01/2020 17:02     | <a href="#">WG1485238</a> |
| Total Xylenes             | U                  |           | 0.000918        | 0.00678         | 1        | 06/01/2020 17:02     | <a href="#">WG1485238</a> |
| (S) Toluene-d8            | 107                |           |                 | 75.0-131        |          | 06/01/2020 17:02     | <a href="#">WG1485238</a> |
| (S) 4-Bromofluorobenzene  | 92.6               |           |                 | 67.0-138        |          | 06/01/2020 17:02     | <a href="#">WG1485238</a> |
| (S) 1,2-Dichloroethane-d4 | 72.6               |           |                 | 70.0-130        |          | 06/01/2020 17:02     | <a href="#">WG1485238</a> |

## 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        | 06/03/2020 06:33     | <a href="#">WG1484968</a> |
| C28-C40 Oil Range    | U                  |           | 0.286           | 4.17            | 1        | 06/03/2020 06:33     | <a href="#">WG1484968</a> |
| (S) o-Terphenyl      | 67.8               |           |                 | 18.0-148        |          | 06/03/2020 06:33     | <a href="#">WG1484968</a> |

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

Collected date/time: 05/21/20 09:00

L1223379

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.8   |           | 1        | 06/03/2020 22:18     | <a href="#">WG1486307</a> |

## 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 | 128                |           | 9.51            | 20.7            | 1        | 06/05/2020 02:13     | <a href="#">WG1485960</a> |

## 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        | 06/01/2020 15:27     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101                |           |                 | 77.0-120        |          | 06/01/2020 15:27     | <a href="#">WG1485339</a> |

## 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        | 06/01/2020 17:21     | <a href="#">WG1485238</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00517         | 1        | 06/01/2020 17:21     | <a href="#">WG1485238</a> |
| Ethylbenzene              | U                  |           | 0.000762        | 0.00258         | 1        | 06/01/2020 17:21     | <a href="#">WG1485238</a> |
| Total Xylenes             | U                  |           | 0.000909        | 0.00672         | 1        | 06/01/2020 17:21     | <a href="#">WG1485238</a> |
| (S) Toluene-d8            | 107                |           |                 | 75.0-131        |          | 06/01/2020 17:21     | <a href="#">WG1485238</a> |
| (S) 4-Bromofluorobenzene  | 93.1               |           |                 | 67.0-138        |          | 06/01/2020 17:21     | <a href="#">WG1485238</a> |
| (S) 1,2-Dichloroethane-d4 | 73.8               |           |                 | 70.0-130        |          | 06/01/2020 17:21     | <a href="#">WG1485238</a> |

## 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 | 2.58               | <u>J</u>  | 1.66            | 4.13            | 1        | 06/03/2020 06:48     | <a href="#">WG1484968</a> |
| C28-C40 Oil Range    | 5.61               | <u>B</u>  | 0.283           | 4.13            | 1        | 06/03/2020 06:48     | <a href="#">WG1484968</a> |
| (S) o-Terphenyl      | 70.0               |           |                 | 18.0-148        |          | 06/03/2020 06:48     | <a href="#">WG1484968</a> |

Collected date/time: 05/21/20 09:05

L1223379

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.8   |           | 1        | 06/03/2020 21:57     | <a href="#">WG1486309</a> |

## 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 | 315                |           | 9.40            | 20.4            | 1        | 06/05/2020 02:28     | <a href="#">WG1485960</a> |

## 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        | 06/01/2020 15:48     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.4               |           |                 | 77.0-120        |          | 06/01/2020 15:48     | <a href="#">WG1485339</a> |

## 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        | 06/01/2020 17:40     | <a href="#">WG1485238</a> |
| Toluene                   | U                  |           | 0.00133         | 0.00511         | 1        | 06/01/2020 17:40     | <a href="#">WG1485238</a> |
| Ethylbenzene              | U                  |           | 0.000753        | 0.00256         | 1        | 06/01/2020 17:40     | <a href="#">WG1485238</a> |
| Total Xylenes             | U                  |           | 0.000900        | 0.00664         | 1        | 06/01/2020 17:40     | <a href="#">WG1485238</a> |
| (S) Toluene-d8            | 108                |           |                 | 75.0-131        |          | 06/01/2020 17:40     | <a href="#">WG1485238</a> |
| (S) 4-Bromofluorobenzene  | 92.4               |           |                 | 67.0-138        |          | 06/01/2020 17:40     | <a href="#">WG1485238</a> |
| (S) 1,2-Dichloroethane-d4 | 73.8               |           |                 | 70.0-130        |          | 06/01/2020 17:40     | <a href="#">WG1485238</a> |

## 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        | 06/02/2020 19:56     | <a href="#">WG1485512</a> |
| C28-C40 Oil Range    | 3.02               | <a href="#">B J</a> | 0.280           | 4.09            | 1        | 06/02/2020 19:56     | <a href="#">WG1485512</a> |
| (S) o-Terphenyl      | 75.8               |                     |                 | 18.0-148        |          | 06/02/2020 19:56     | <a href="#">WG1485512</a> |

Collected date/time: 05/21/20 09:10

L1223379

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.7   |           | 1        | 06/03/2020 21:57     | <a href="#">WG1486309</a> |

## 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 | 278                |           | 9.62            | 20.9            | 1        | 06/05/2020 03:13     | <a href="#">WG1485960</a> |

## 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        | 06/01/2020 17:38     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 106                |           |                 | 77.0-120        |          | 06/01/2020 17:38     | <a href="#">WG1485339</a> |

## 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        | 0.00105         | 1        | 06/01/2020 17:59     | <a href="#">WG1485238</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00523         | 1        | 06/01/2020 17:59     | <a href="#">WG1485238</a> |
| Ethylbenzene              | U                  |           | 0.000770        | 0.00261         | 1        | 06/01/2020 17:59     | <a href="#">WG1485238</a> |
| Total Xylenes             | U                  |           | 0.000920        | 0.00679         | 1        | 06/01/2020 17:59     | <a href="#">WG1485238</a> |
| (S) Toluene-d8            | 108                |           |                 | 75.0-131        |          | 06/01/2020 17:59     | <a href="#">WG1485238</a> |
| (S) 4-Bromofluorobenzene  | 92.9               |           |                 | 67.0-138        |          | 06/01/2020 17:59     | <a href="#">WG1485238</a> |
| (S) 1,2-Dichloroethane-d4 | 78.6               |           |                 | 70.0-130        |          | 06/01/2020 17:59     | <a href="#">WG1485238</a> |

## 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        | 06/02/2020 20:09     | <a href="#">WG1485512</a> |
| C28-C40 Oil Range    | 0.839              | <a href="#">B J</a> | 0.286           | 4.18            | 1        | 06/02/2020 20:09     | <a href="#">WG1485512</a> |
| (S) o-Terphenyl      | 70.0               |                     |                 | 18.0-148        |          | 06/02/2020 20:09     | <a href="#">WG1485512</a> |

Total Solids by Method 2540 G-2011 [L1223379-01,02,03,04,05,06](#)

Method Blank (MB)

(MB) R3535059-1 06/03/20 22:18

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

L1223377-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1223377-03 06/03/20 22:18 • (DUP) R3535059-3 06/03/20 22:18

| Analyte      | Original Result<br>% | DUP Result<br>% | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits |
|--------------|----------------------|-----------------|----------|--------------|---------------|-------------------|
| Total Solids | 92.7                 | 92.5            | 1        | 0.259        |               | 10                |

Laboratory Control Sample (LCS)

(LCS) R3535059-2 06/03/20 22:18

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Total Solids by Method 2540 G-2011 [L1223379-07,08](#)

Method Blank (MB)

(MB) R3535057-1 06/03/20 21:57

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

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3535057-3 06/03/20 21:57

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              |                 | %          |          | %       |               | %              |
| Total Solids |                 | 93.9       | 1        | 0.947   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3535057-2 06/03/20 21:57

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
|              | %            | %          | %        | %           |               |
| 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

[L1223379-01,02,03,04,05,06,07,08](#)

Method Blank (MB)

(MB) R3535396-1 06/04/20 23:59

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

L1223379-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1223379-04 06/05/20 01:28 • (DUP) R3535396-3 06/05/20 01:43

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 175                               | 174                          | 1        | 0.587        |               | 20                     |

L1223380-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1223380-08 06/05/20 06:12 • (DUP) R3535396-6 06/05/20 06:27

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 24.0                              | 25.2                         | 1        | 4.90         |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3535396-2 06/05/20 00:14

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 206                 | 103           | 90.0-110         |               |

L1223379-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223379-08 06/05/20 03:13 • (MS) R3535396-4 06/05/20 03:28 • (MSD) R3535396-5 06/05/20 03:43

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 523                            | 278                               | 817                      | 804                          | 103          | 101           | 1        | 80.0-120         |              |               | 1.66     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3534835-2 06/01/20 12:31

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0462             | ⬇            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 96.5               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534835-1 06/01/20 11:42

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.06                | 92.0          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 101           | 77.0-120         |               |

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3534835-3 06/01/20 23:50 • (MSD) R3534835-4 06/02/20 00:12

| Analyte                            | Spike Amount<br>mg/kg | Original Result | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|-----------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 2750                  |                 | 4800               | 4990                | 93.1         | 100           | 500      | 10.0-151         |              |               | 3.88     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                 |                    |                     | 115          | 116           |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1223379-05.06.07.08

Method Blank (MB)

(MB) R3534748-2 06/01/20 12:27

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 104                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534748-1 06/01/20 11:46

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 4.46                | 81.1          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 95.4          | 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

L1223379-01,02,03,04,05,06,07,08

Method Blank (MB)

(MB) R3534254-3 06/01/20 12:21

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000467        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | 0.00145            | J            | 0.00130         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 110                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 93.9               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 81.3               |              |                 | 70.0-130        |

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

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

(LCS) R3534254-1 06/01/20 09:12 • (LCSD) R3534254-2 06/01/20 09:30

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.125                 | 0.113               | 0.110                | 90.4          | 88.0           | 70.0-123         |               |                | 2.69     | 20              |
| Ethylbenzene              | 0.125                 | 0.116               | 0.110                | 92.8          | 88.0           | 74.0-126         |               |                | 5.31     | 20              |
| Toluene                   | 0.125                 | 0.118               | 0.115                | 94.4          | 92.0           | 75.0-121         |               |                | 2.58     | 20              |
| Xylenes, Total            | 0.375                 | 0.362               | 0.345                | 96.5          | 92.0           | 72.0-127         |               |                | 4.81     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 99.8          | 100            | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 97.2          | 94.9           | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 95.6          | 91.9           | 70.0-130         |               |                |          |                 |

L1223379-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223379-03 06/01/20 16:24 • (MS) R3534254-4 06/01/20 20:30 • (MSD) R3534254-5 06/01/20 20:49

| Analyte                   | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.128                          | U                                 | 0.0924                   | 0.101                        | 71.9         | 78.7          | 1        | 10.0-149         |              |               | 9.03     | 37              |
| Ethylbenzene              | 0.128                          | U                                 | 0.0938                   | 0.103                        | 73.0         | 80.0          | 1        | 10.0-160         |              |               | 9.10     | 38              |
| Toluene                   | 0.128                          | U                                 | 0.105                    | 0.115                        | 81.6         | 89.6          | 1        | 10.0-156         |              |               | 9.35     | 38              |
| Xylenes, Total            | 0.385                          | U                                 | 0.298                    | 0.328                        | 77.3         | 85.1          | 1        | 10.0-160         |              |               | 9.52     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 107          | 105           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 92.4         | 92.7          |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 76.6         | 80.2          |          | 70.0-130         |              |               |          |                 |

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1223379-01,02,03,04,05,06](#)

Method Blank (MB)

(MB) R3534522-1 06/03/20 04:25

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | 2.60               | J            | 0.274           | 4.00            |
| (S) o-Terphenyl      | 68.2               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3534522-2 06/03/20 04:41

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 34.6                | 69.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 59.0          | 18.0-148         |               |

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 L1223379-07,08

Method Blank (MB)

(MB) R3534383-1 06/02/20 19:30

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | 0.428              | J            | 0.274           | 4.00            |
| (S) o-Terphenyl      | 64.4               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3534383-2 06/02/20 19:43

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 36.6                | 73.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 84.1          | 18.0-148         |               |

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3534744-1 06/03/20 18:16 • (MSD) R3534744-2 06/03/20 18:30

| Analyte              | Spike Amount<br>mg/kg | Original Result | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|-----------------------|-----------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 53.7                  |                 | 355                | 355                 | 120          | 120           | 5        | 50.0-150         |              |               | 0.000    | 20              |
| (S) o-Terphenyl      |                       |                 |                    |                     | 56.9         | 62.2          |          | 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.

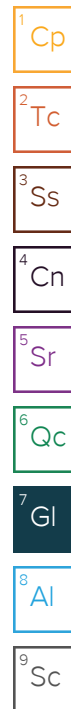
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. 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 National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* 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 National.

## State Accreditations

|                         |             |                             |                  |
|-------------------------|-------------|-----------------------------|------------------|
| Alabama                 | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                  | 17-026      | Nevada                      | TN-03-2002-34    |
| Arizona                 | AZ0612      | New Hampshire               | 2975             |
| Arkansas                | 88-0469     | New Jersey-NELAP            | TN002            |
| California              | 2932        | New Mexico <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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 <sup>1 6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | LAB0152          |
| Maryland                | 324         | Utah                        | TN00003          |
| Massachusetts           | M-TN003     | Vermont                     | VT2006           |
| Michigan                | 9958        | Virginia                    | 460132           |
| Minnesota               | 047-999-395 | Washington                  | C847             |
| Mississippi             | TN00003     | West Virginia               | 233              |
| Missouri                | 340         | Wisconsin                   | 9980939910       |
| Montana                 | CERT0086    | Wyoming                     | A2LA             |

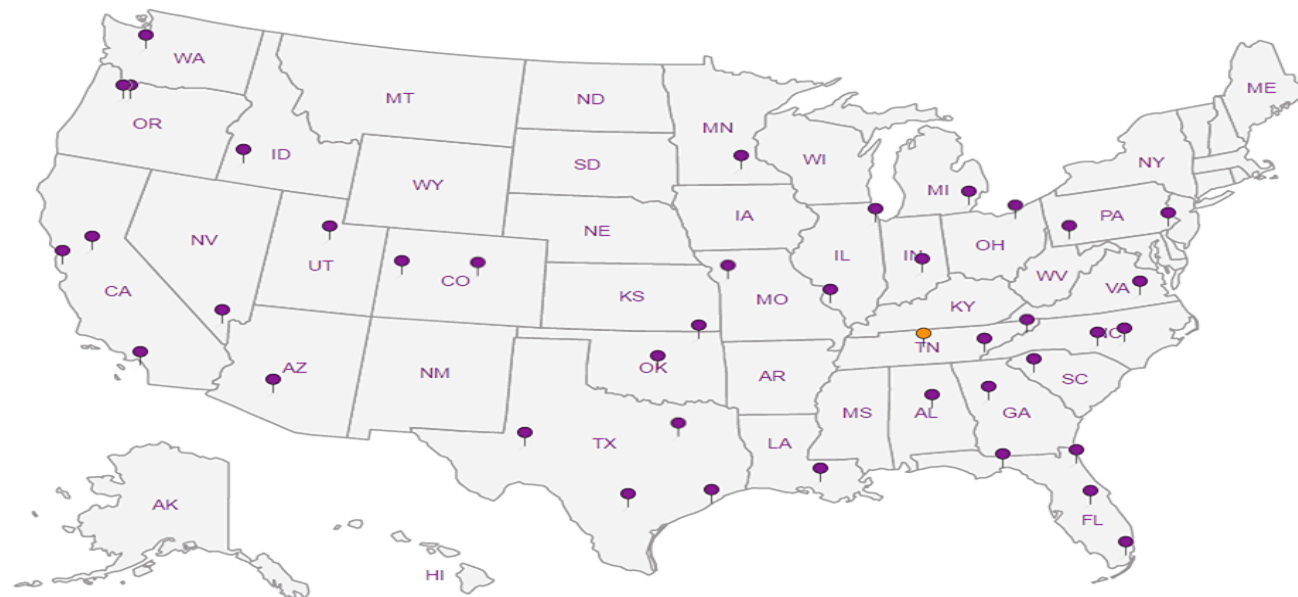
## Third Party Federal Accreditations

|                               |         |                     |               |
|-------------------------------|---------|---------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP, LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                 | 1461.01       |
| Canada                        | 1461.01 | USDA                | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                     |               |

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

## Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



1790 + 3030 2916



## Pace Analytical National Center for Testing & Innovation

### Cooler Receipt Form

|                                 |                   |               |            |
|---------------------------------|-------------------|---------------|------------|
| Client:                         | <i>CopTelRA</i>   | <i>122319</i> |            |
| Cooler Received/Opened On:      | <i>5 129 / 20</i> | Temperature:  | <i>Amb</i> |
| Received By:                    | Lakeacher Webster |               |            |
| Signature:                      | <i>L. Webster</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

September 17, 2020

**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1258582  
Samples Received: 09/04/2020  
Project Number: 212C-MD-01929  
Description: COP EVGSAU 3308-007

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.





|                              |           |
|------------------------------|-----------|
| <b>Cp: Cover Page</b>        | <b>1</b>  |
| <b>Tc: Table of Contents</b> | <b>2</b>  |
| <b>Ss: Sample Summary</b>    | <b>4</b>  |
| <b>Cn: Case Narrative</b>    | <b>13</b> |
| <b>Sr: Sample Results</b>    | <b>14</b> |
| BH-20-3 (1-2) L1258582-01    | 14        |
| BH-20-3 (3-4) L1258582-02    | 15        |
| BH-20-3 (5-6) L1258582-03    | 16        |
| BH-20-3 (7-8) L1258582-04    | 17        |
| BH-20-3 (9-10) L1258582-05   | 18        |
| BH-20-3 (14-15) L1258582-06  | 19        |
| BH-20-4 (1-2) L1258582-07    | 20        |
| BH-20-4 (3-4) L1258582-08    | 21        |
| BH-20-4 (5-6) L1258582-09    | 22        |
| BH-20-4 (7-8) L1258582-10    | 23        |
| BH-20-4 (9-10) L1258582-11   | 24        |
| BH-20-4 (14-15) L1258582-12  | 25        |
| BH-20-4 (18-19) L1258582-13  | 26        |
| BH-20-4 (19-20) L1258582-14  | 27        |
| BH-20-5 (0-1) L1258582-15    | 28        |
| BH-20-5 (2-3) L1258582-16    | 29        |
| BH-20-5 (4-5) L1258582-17    | 30        |
| BH-20-5 (7-8) L1258582-18    | 31        |
| BH-20-6 (1-2) L1258582-19    | 32        |
| BH-20-6 (3-4) L1258582-20    | 33        |
| BH-20-6 (5-6) L1258582-21    | 34        |
| BH-20-6 (7-8) L1258582-22    | 35        |
| BH-20-6 (9-10) L1258582-23   | 36        |
| BH-20-6 (14-15) L1258582-24  | 37        |
| BH-20-7 (0-1) L1258582-25    | 38        |
| BH-20-7 (2-3) L1258582-26    | 39        |
| BH-20-7 (4-5) L1258582-27    | 40        |
| BH-20-7 (7-8) L1258582-28    | 41        |
| BH-20-8 (0-1) L1258582-29    | 42        |
| BH-20-8 (2-3) L1258582-30    | 43        |
| BH-20-8 (4-5) L1258582-31    | 44        |
| BH-20-8 (7-8) L1258582-32    | 45        |
| BH-20-9 (0-1) L1258582-33    | 46        |
| BH-20-9 (2-3) L1258582-34    | 47        |
| BH-20-9 (4-5) L1258582-35    | 48        |



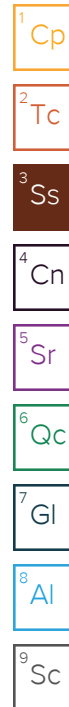
|                                                     |           |
|-----------------------------------------------------|-----------|
| BH-20-9 (7-8) L1258582-36                           | 49        |
| BH-20-10 (0-1) L1258582-37                          | 50        |
| BH-20-10 (2-3) L1258582-38                          | 51        |
| BH-20-10 (4-5) L1258582-39                          | 52        |
| BH-20-10 (7-8) L1258582-40                          | 53        |
| BH-20-11 (0-1) L1258582-41                          | 54        |
| BH-20-11 (2-3) L1258582-42                          | 55        |
| BH-20-11 (4-5) L1258582-43                          | 56        |
| BH-20-11 (7-8) L1258582-44                          | 57        |
| <b>Qc: Quality Control Summary</b>                  | <b>58</b> |
| Total Solids by Method 2540 G-2011                  | 58        |
| Wet Chemistry by Method 300.0                       | 63        |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 66        |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 70        |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 78        |
| <b>Gl: Glossary of Terms</b>                        | <b>81</b> |
| <b>Al: Accreditations &amp; Locations</b>           | <b>82</b> |
| <b>Sc: Sample Chain of Custody</b>                  | <b>83</b> |



## BH-20-3 (1-2) L1258582-01 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1541936 | 1        | 09/15/20 08:32        | 09/15/20 08:40     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 20       | 09/09/20 22:00        | 09/10/20 01:07     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541187 | 1        | 09/09/20 21:22        | 09/11/20 05:24     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 08:53     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 03:06     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 13:28     | JN      | Mt. Juliet, TN |



## BH-20-3 (3-4) L1258582-02 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1541936 | 1        | 09/15/20 08:32        | 09/15/20 08:40     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 01:22     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541187 | 1        | 09/09/20 21:22        | 09/11/20 05:47     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 09:14     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 03:25     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 08:06     | JN      | Mt. Juliet, TN |

## BH-20-3 (5-6) L1258582-03 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1541936 | 1        | 09/15/20 08:32        | 09/15/20 08:40     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 01:52     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541187 | 1        | 09/09/20 21:22        | 09/11/20 06:09     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 09:34     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 03:44     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 08:18     | JN      | Mt. Juliet, TN |

## BH-20-3 (7-8) L1258582-04 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1541936 | 1        | 09/15/20 08:32        | 09/15/20 08:40     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 02:06     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541187 | 1        | 09/09/20 21:22        | 09/11/20 06:31     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 09:55     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 04:02     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 10:13     | JN      | Mt. Juliet, TN |

## BH-20-3 (9-10) L1258582-05 Solid

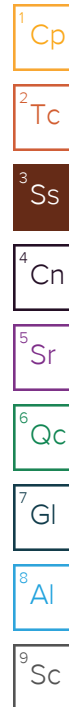
Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1541936 | 1        | 09/15/20 08:32        | 09/15/20 08:40     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 02:21     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541187 | 1        | 09/09/20 21:22        | 09/11/20 06:53     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 10:15     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 04:21     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 10:26     | JN      | Mt. Juliet, TN |

## BH-20-3 (14-15) L1258582-06 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1541936 | 1        | 09/15/20 08:32        | 09/15/20 08:40     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 02:36     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541187 | 1        | 09/09/20 21:22        | 09/11/20 07:38     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 10:36     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 04:40     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 10:39     | JN      | Mt. Juliet, TN |



## BH-20-4 (1-2) L1258582-07 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1541936 | 1        | 09/15/20 08:32        | 09/15/20 08:40     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 20       | 09/09/20 22:00        | 09/10/20 02:51     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541187 | 1        | 09/09/20 21:22        | 09/11/20 08:00     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 10:56     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 04:58     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 12:11     | JN      | Mt. Juliet, TN |

## BH-20-4 (3-4) L1258582-08 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1541936 | 1        | 09/15/20 08:32        | 09/15/20 08:40     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 5        | 09/09/20 22:00        | 09/10/20 03:36     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541187 | 1        | 09/09/20 21:22        | 09/11/20 08:23     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 11:16     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 05:17     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 12:24     | JN      | Mt. Juliet, TN |

## BH-20-4 (5-6) L1258582-09 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1541936 | 1        | 09/15/20 08:32        | 09/15/20 08:40     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 5        | 09/09/20 22:00        | 09/10/20 03:51     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541187 | 1        | 09/09/20 21:22        | 09/11/20 08:45     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 11:37     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 05:36     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 10:52     | JN      | Mt. Juliet, TN |

## BH-20-4 (7-8) L1258582-10 Solid

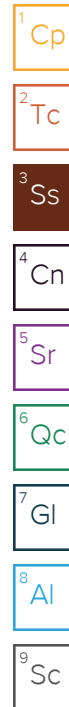
Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 04:06     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 02:52     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 11:57     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 05:54     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 11:19     | JN      | Mt. Juliet, TN |

## BH-20-4 (9-10) L1258582-11 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 04:21     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 03:13     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540504 | 1        | 09/09/20 21:22        | 09/10/20 12:18     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542884 | 1        | 09/09/20 21:22        | 09/15/20 06:13     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 11:20     | JN      | Mt. Juliet, TN |



## BH-20-4 (14-15) L1258582-12 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 05:20     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 03:41     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540684 | 1        | 09/09/20 21:22        | 09/10/20 12:26     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 12:49     | JN      | Mt. Juliet, TN |

## BH-20-4 (18-19) L1258582-13 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 05:35     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 04:07     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540684 | 1        | 09/09/20 21:22        | 09/10/20 13:17     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 11:33     | JN      | Mt. Juliet, TN |

## BH-20-4 (19-20) L1258582-14 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 05:50     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 04:28     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540684 | 1        | 09/09/20 21:22        | 09/10/20 13:36     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 11:46     | JN      | Mt. Juliet, TN |

## BH-20-5 (0-1) L1258582-15 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 06:35     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 04:49     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540684 | 1        | 09/09/20 21:22        | 09/10/20 13:54     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 14:06     | JN      | Mt. Juliet, TN |

## BH-20-5 (2-3) L1258582-16 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 06:50     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 05:09     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540684 | 1        | 09/09/20 21:22        | 09/10/20 14:13     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 13:02     | JN      | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

## BH-20-5 (4-5) L1258582-17 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 07:05     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 05:30     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540684 | 1        | 09/09/20 21:22        | 09/10/20 14:32     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 11:59     | JN      | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

## BH-20-5 (7-8) L1258582-18 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 07:20     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 05:54     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540684 | 1        | 09/09/20 21:22        | 09/10/20 14:51     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 12:37     | JN      | Mt. Juliet, TN |

9 Sc

## BH-20-6 (1-2) L1258582-19 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542195 | 1        | 09/15/20 07:43        | 09/15/20 08:30     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 07:35     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 06:28     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540684 | 1        | 09/09/20 21:22        | 09/10/20 15:09     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542342 | 1        | 09/13/20 23:28        | 09/14/20 13:15     | JN      | Mt. Juliet, TN |

## BH-20-6 (3-4) L1258582-20 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540140 | 1        | 09/09/20 22:00        | 09/10/20 07:49     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 07:15     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540684 | 1        | 09/09/20 21:22        | 09/10/20 15:28     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 20:01     | JN      | Mt. Juliet, TN |



## BH-20-6 (5-6) L1258582-21 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 05:08     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 07:36     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 21:22        | 09/11/20 16:18     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 20:14     | JN      | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

## BH-20-6 (7-8) L1258582-22 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 05:27     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 21:22        | 09/11/20 07:59     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 21:22        | 09/11/20 16:37     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 20:27     | JN      | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

## BH-20-6 (9-10) L1258582-23 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 05:37     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 23:01        | 09/11/20 08:20     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 16:56     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 20:41     | JN      | Mt. Juliet, TN |

9 Sc

## BH-20-6 (14-15) L1258582-24 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 05:47     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 23:01        | 09/11/20 08:41     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 17:15     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 21:20     | JN      | Mt. Juliet, TN |

## BH-20-7 (0-1) L1258582-25 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 05:56     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 23:01        | 09/11/20 09:01     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 17:34     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 23:43     | JN      | Mt. Juliet, TN |

## BH-20-7 (2-3) L1258582-26 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 06:06     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 23:01        | 09/11/20 09:22     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 17:53     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 23:30     | JN      | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## BH-20-7 (4-5) L1258582-27 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 06:15     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 23:01        | 09/11/20 09:43     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 18:12     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 21:33     | JN      | Mt. Juliet, TN |

## BH-20-7 (7-8) L1258582-28 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 06:44     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 23:01        | 09/11/20 10:03     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 18:31     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 21:46     | JN      | Mt. Juliet, TN |

## BH-20-8 (0-1) L1258582-29 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542196 | 1        | 09/15/20 07:33        | 09/15/20 07:42     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 06:53     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541228 | 1        | 09/09/20 23:01        | 09/11/20 10:24     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 18:50     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/15/20 00:09     | JN      | Mt. Juliet, TN |

## BH-20-8 (2-3) L1258582-30 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 07:03     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 11:36     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 19:10     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 21:59     | JN      | Mt. Juliet, TN |

## BH-20-8 (4-5) L1258582-31 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 07:12     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1.01     | 09/09/20 23:01        | 09/11/20 11:56     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 19:29     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 22:12     | JN      | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

## BH-20-8 (7-8) L1258582-32 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 07:22     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 12:17     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 19:48     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 22:25     | JN      | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

## BH-20-9 (0-1) L1258582-33 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 07:50     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 12:38     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 20:07     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/15/20 00:35     | JN      | Mt. Juliet, TN |

9 Sc

## BH-20-9 (2-3) L1258582-34 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 08:00     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 12:59     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 20:26     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/15/20 00:22     | JN      | Mt. Juliet, TN |

## BH-20-9 (4-5) L1258582-35 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 08:09     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 13:19     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540685 | 1        | 09/09/20 23:01        | 09/11/20 20:45     | JAH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 22:38     | JN      | Mt. Juliet, TN |

## BH-20-9 (7-8) L1258582-36 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 08:38     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 13:40     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1543443 | 1        | 09/09/20 23:01        | 09/15/20 17:25     | ADM     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 22:51     | JN      | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-20-10 (0-1) L1258582-37 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 08:47     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 14:01     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1541911 | 1        | 09/09/20 23:01        | 09/12/20 15:09     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542933 | 1        | 09/09/20 23:01        | 09/15/20 03:44     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 23:56     | JN      | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## BH-20-10 (2-3) L1258582-38 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 08:57     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 14:22     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1541911 | 1        | 09/09/20 23:01        | 09/12/20 15:29     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1542933 | 1        | 09/09/20 23:01        | 09/15/20 02:28     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 23:04     | JN      | Mt. Juliet, TN |

## BH-20-10 (4-5) L1258582-39 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542197 | 1        | 09/15/20 11:16        | 09/15/20 11:24     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 09:06     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 14:42     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1543443 | 1        | 09/09/20 23:01        | 09/15/20 17:44     | ADM     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542344 | 1        | 09/14/20 07:43        | 09/14/20 23:17     | JN      | Mt. Juliet, TN |

## BH-20-10 (7-8) L1258582-40 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542198 | 1        | 09/15/20 13:14        | 09/15/20 13:28     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540146 | 1        | 09/10/20 01:30        | 09/10/20 09:16     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/09/20 23:01        | 09/11/20 15:03     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540981 | 1        | 09/09/20 23:01        | 09/10/20 17:15     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542522 | 1        | 09/15/20 14:33        | 09/15/20 21:33     | JN      | Mt. Juliet, TN |

## BH-20-11 (0-1) L1258582-41 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542198 | 1        | 09/15/20 13:14        | 09/15/20 13:28     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540149 | 1        | 09/10/20 14:06        | 09/10/20 20:46     | MSP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/10/20 10:27        | 09/11/20 15:24     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540981 | 1        | 09/10/20 10:27        | 09/10/20 17:34     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542522 | 1        | 09/15/20 14:33        | 09/15/20 23:51     | JN      | Mt. Juliet, TN |

<sup>1</sup> Cp<sup>2</sup> Tc<sup>3</sup> Ss<sup>4</sup> Cn

## BH-20-11 (2-3) L1258582-42 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542198 | 1        | 09/15/20 13:14        | 09/15/20 13:28     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540149 | 1        | 09/10/20 14:06        | 09/10/20 20:55     | MSP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/10/20 10:27        | 09/11/20 15:45     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540981 | 1        | 09/10/20 10:27        | 09/10/20 17:53     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542522 | 1        | 09/15/20 14:33        | 09/15/20 21:46     | JN      | Mt. Juliet, TN |

<sup>5</sup> Sr<sup>6</sup> Qc<sup>7</sup> Gl<sup>8</sup> Al

## BH-20-11 (4-5) L1258582-43 Solid

Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542198 | 1        | 09/15/20 13:14        | 09/15/20 13:28     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540149 | 1        | 09/10/20 14:06        | 09/10/20 21:05     | MSP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541325 | 1        | 09/10/20 10:27        | 09/11/20 16:06     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540981 | 1        | 09/10/20 10:27        | 09/10/20 18:12     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542522 | 1        | 09/15/20 14:33        | 09/15/20 21:58     | JN      | Mt. Juliet, TN |

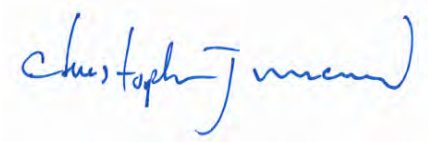
<sup>9</sup> Sc

## BH-20-11 (7-8) L1258582-44 Solid

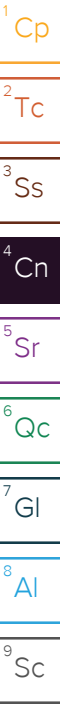
Collected by John Thurston  
Collected date/time 09/02/20 00:00  
Received date/time 09/04/20 09:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1542198 | 1        | 09/15/20 13:14        | 09/15/20 13:28     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1540149 | 1        | 09/10/20 14:06        | 09/10/20 21:14     | MSP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1541470 | 1        | 09/10/20 10:27        | 09/11/20 14:34     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1540981 | 1        | 09/10/20 10:27        | 09/10/20 18:31     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1542522 | 1        | 09/15/20 14:33        | 09/15/20 22:11     | JN      | 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: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.3   |           | 1        | 09/15/2020 08:40 | <a href="#">WG1541936</a> |

## 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 | 7800         |           | 189       | 411       | 20       | 09/10/2020 01:07 | <a href="#">WG1540140</a> |

## 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            |           | 0.0223    | 0.103     | 1        | 09/11/2020 05:24 | <a href="#">WG1541187</a> |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 99.0         |           |           | 77.0-120  |          | 09/11/2020 05:24 | <a href="#">WG1541187</a> |

## 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            | <a href="#">J4</a> | 0.000493  | 0.00106   | 1        | 09/10/2020 08:53 | <a href="#">WG1540504</a> |
| Toluene                   | U            |                    | 0.00137   | 0.00528   | 1        | 09/10/2020 08:53 | <a href="#">WG1540504</a> |
| Ethylbenzene              | U            |                    | 0.000778  | 0.00264   | 1        | 09/10/2020 08:53 | <a href="#">WG1540504</a> |
| Total Xylenes             | 0.000976     | <a href="#">J</a>  | 0.000929  | 0.00686   | 1        | 09/15/2020 03:06 | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 98.6         |                    |           | 75.0-131  |          | 09/10/2020 08:53 | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 101          |                    |           | 75.0-131  |          | 09/15/2020 03:06 | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 101          |                    |           | 67.0-138  |          | 09/10/2020 08:53 | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 107          |                    |           | 67.0-138  |          | 09/15/2020 03:06 | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 78.1         |                    |           | 70.0-130  |          | 09/10/2020 08:53 | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 109          |                    |           | 70.0-130  |          | 09/15/2020 03:06 | <a href="#">WG1542884</a> |

## 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 | 65.1         | <a href="#">J3 J6</a> | 1.65      | 4.11      | 1        | 09/14/2020 13:28 | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 133          |                       | 0.282     | 4.11      | 1        | 09/14/2020 13:28 | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 53.2         |                       |           | 18.0-148  |          | 09/14/2020 13:28 | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.0   |           | 1        | 09/15/2020 08:40 | <a href="#">WG1541936</a> |

## 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 | 775          |           | 9.48      | 20.6      | 1        | 09/10/2020 01:22 | <a href="#">WG1540140</a> |

## 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        | 09/11/2020 05:47 | <a href="#">WG1541187</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.9         |           |           | 77.0-120  |          | 09/11/2020 05:47 | <a href="#">WG1541187</a> |

## 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            | J4        | 0.000495  | 0.00106   | 1        | 09/10/2020 09:14 | <a href="#">WG1540504</a> |
| Toluene                   | U            |           | 0.00138   | 0.00530   | 1        | 09/10/2020 09:14 | <a href="#">WG1540504</a> |
| Ethylbenzene              | U            |           | 0.000782  | 0.00265   | 1        | 09/10/2020 09:14 | <a href="#">WG1540504</a> |
| Total Xylenes             | 0.00133      | J         | 0.000934  | 0.00690   | 1        | 09/15/2020 03:25 | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 09/10/2020 09:14 | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 99.1         |           |           | 75.0-131  |          | 09/15/2020 03:25 | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 101          |           |           | 67.0-138  |          | 09/10/2020 09:14 | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 110          |           |           | 67.0-138  |          | 09/15/2020 03:25 | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 73.9         |           |           | 70.0-130  |          | 09/10/2020 09:14 | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 107          |           |           | 70.0-130  |          | 09/15/2020 03:25 | <a href="#">WG1542884</a> |

## 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 | 2.42         | J         | 1.66      | 4.12      | 1        | 09/14/2020 08:06 | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 2.74         | B J       | 0.282     | 4.12      | 1        | 09/14/2020 08:06 | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 68.3         |           |           | 18.0-148  |          | 09/14/2020 08:06 | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 92.2   |           | 1        | 09/15/2020 08:40 | <a href="#">WG1541936</a> |

## 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 | 41.4         |           | 9.98      | 21.7      | 1        | 09/10/2020 01:52 | <a href="#">WG1540140</a> |

## 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            |           | 0.0235    | 0.108     | 1        | 09/11/2020 06:09 | <a href="#">WG1541187</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.0         |           |           | 77.0-120  |          | 09/11/2020 06:09 | <a href="#">WG1541187</a> |

## 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            | J4        | 0.000547  | 0.00117   | 1        | 09/10/2020 09:34 | <a href="#">WG1540504</a> |
| Toluene                   | U            |           | 0.00152   | 0.00585   | 1        | 09/10/2020 09:34 | <a href="#">WG1540504</a> |
| Ethylbenzene              | U            |           | 0.000863  | 0.00293   | 1        | 09/10/2020 09:34 | <a href="#">WG1540504</a> |
| Total Xylenes             | U            |           | 0.00103   | 0.00761   | 1        | 09/15/2020 03:44 | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 97.7         |           |           | 75.0-131  |          | 09/10/2020 09:34 | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 99.4         |           |           | 75.0-131  |          | 09/15/2020 03:44 | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 108          |           |           | 67.0-138  |          | 09/10/2020 09:34 | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 110          |           |           | 67.0-138  |          | 09/15/2020 03:44 | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 90.0         |           |           | 70.0-130  |          | 09/10/2020 09:34 | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 108          |           |           | 70.0-130  |          | 09/15/2020 03:44 | <a href="#">WG1542884</a> |

## 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 | 2.44         | J         | 1.75      | 4.34      | 1        | 09/14/2020 08:18 | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 1.42         | B J       | 0.297     | 4.34      | 1        | 09/14/2020 08:18 | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 64.0         |           |           | 18.0-148  |          | 09/14/2020 08:18 | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 95.2   |           | 1        | 09/15/2020 08:40 | <a href="#">WG1541936</a> |

## 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 | 329          |           | 9.67      | 21.0      | 1        | 09/10/2020 02:06 | <a href="#">WG1540140</a> |

## 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            |           | 0.0228    | 0.105     | 1        | 09/11/2020 06:31 | <a href="#">WG1541187</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8         |           |           | 77.0-120  |          | 09/11/2020 06:31 | <a href="#">WG1541187</a> |

## 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            | <a href="#">J4</a> | 0.000515  | 0.00110   | 1        | 09/10/2020 09:55 | <a href="#">WG1540504</a> |
| Toluene                   | U            |                    | 0.00143   | 0.00551   | 1        | 09/10/2020 09:55 | <a href="#">WG1540504</a> |
| Ethylbenzene              | U            |                    | 0.000812  | 0.00276   | 1        | 09/10/2020 09:55 | <a href="#">WG1540504</a> |
| Total Xylenes             | U            |                    | 0.000970  | 0.00716   | 1        | 09/15/2020 04:02 | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 103          |                    |           | 75.0-131  |          | 09/10/2020 09:55 | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 99.8         |                    |           | 75.0-131  |          | 09/15/2020 04:02 | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 99.6         |                    |           | 67.0-138  |          | 09/10/2020 09:55 | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 103          |                    |           | 67.0-138  |          | 09/15/2020 04:02 | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 69.2         | <a href="#">J2</a> |           | 70.0-130  |          | 09/10/2020 09:55 | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 108          |                    |           | 70.0-130  |          | 09/15/2020 04:02 | <a href="#">WG1542884</a> |

## 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 | 2.61         | <a href="#">J</a>   | 1.69      | 4.20      | 1        | 09/14/2020 10:13 | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 2.60         | <a href="#">B J</a> | 0.288     | 4.20      | 1        | 09/14/2020 10:13 | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 61.0         |                     |           | 18.0-148  |          | 09/14/2020 10:13 | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.3   |           | 1        | 09/15/2020 08:40     | <a href="#">WG1541936</a> |

## 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 | 52.9               |           | 9.76            | 21.2            | 1        | 09/10/2020 02:21     | <a href="#">WG1540140</a> |

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

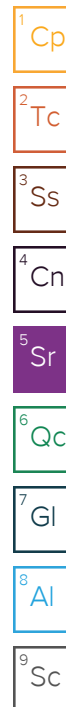
| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0230          | 0.106           | 1        | 09/11/2020 06:53     | <a href="#">WG1541187</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.3               |           |                 | 77.0-120        |          | 09/11/2020 06:53     | <a href="#">WG1541187</a> |

## 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                  | <a href="#">J4</a> | 0.000524        | 0.00112         | 1        | 09/10/2020 10:15     | <a href="#">WG1540504</a> |
| Toluene                   | U                  |                    | 0.00146         | 0.00561         | 1        | 09/10/2020 10:15     | <a href="#">WG1540504</a> |
| Ethylbenzene              | U                  |                    | 0.000826        | 0.00280         | 1        | 09/10/2020 10:15     | <a href="#">WG1540504</a> |
| Total Xylenes             | U                  |                    | 0.000987        | 0.00729         | 1        | 09/15/2020 04:21     | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 103                |                    |                 | 75.0-131        |          | 09/10/2020 10:15     | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 101                |                    |                 | 75.0-131        |          | 09/15/2020 04:21     | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 98.2               |                    |                 | 67.0-138        |          | 09/10/2020 10:15     | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 109                |                    |                 | 67.0-138        |          | 09/15/2020 04:21     | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 69.9               | <a href="#">J2</a> |                 | 70.0-130        |          | 09/10/2020 10:15     | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 105                |                    |                 | 70.0-130        |          | 09/15/2020 04:21     | <a href="#">WG1542884</a> |

## 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            | 4.24            | 1        | 09/14/2020 10:26     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 0.909              | <a href="#">B J</a> | 0.291           | 4.24            | 1        | 09/14/2020 10:26     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 67.9               |                     |                 | 18.0-148        |          | 09/14/2020 10:26     | <a href="#">WG1542342</a> |



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.7   |           | 1        | 09/15/2020 08:40     | <a href="#">WG1541936</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 284          |           | 9.52      | 20.7      | 1        | 09/10/2020 02:36     | <a href="#">WG1540140</a> |

## 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        | 09/11/2020 07:38     | <a href="#">WG1541187</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9         |           |           | 77.0-120  |          | 09/11/2020 07:38     | <a href="#">WG1541187</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            | J4        | 0.000499  | 0.00107   | 1        | 09/10/2020 10:36     | <a href="#">WG1540504</a> |
| Toluene                   | U            |           | 0.00139   | 0.00535   | 1        | 09/10/2020 10:36     | <a href="#">WG1540504</a> |
| Ethylbenzene              | U            |           | 0.000788  | 0.00267   | 1        | 09/10/2020 10:36     | <a href="#">WG1540504</a> |
| Total Xylenes             | 0.000979     | J         | 0.000941  | 0.00695   | 1        | 09/15/2020 04:40     | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 101          |           |           | 75.0-131  |          | 09/10/2020 10:36     | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 99.4         |           |           | 75.0-131  |          | 09/15/2020 04:40     | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 101          |           |           | 67.0-138  |          | 09/10/2020 10:36     | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 105          |           |           | 67.0-138  |          | 09/15/2020 04:40     | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 81.9         |           |           | 70.0-130  |          | 09/10/2020 10:36     | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 107          |           |           | 70.0-130  |          | 09/15/2020 04:40     | <a href="#">WG1542884</a> |

## 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 | 2.05         | J         | 1.67      | 4.14      | 1        | 09/14/2020 10:39     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 1.23         | B J       | 0.283     | 4.14      | 1        | 09/14/2020 10:39     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 75.2         |           |           | 18.0-148  |          | 09/14/2020 10:39     | <a href="#">WG1542342</a> |



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 99.4   |           | 1        | 09/15/2020 08:40 | <a href="#">WG1541936</a> |

## 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 | 5890         |           | 185       | 403       | 20       | 09/10/2020 02:51 | <a href="#">WG1540140</a> |

## 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            |           | 0.0218    | 0.101     | 1        | 09/11/2020 08:00 | <a href="#">WG1541187</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.4         |           |           | 77.0-120  |          | 09/11/2020 08:00 | <a href="#">WG1541187</a> |

## 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            | J4        | 0.000473  | 0.00101   | 1        | 09/10/2020 10:56 | <a href="#">WG1540504</a> |
| Toluene                   | U            |           | 0.00132   | 0.00506   | 1        | 09/10/2020 10:56 | <a href="#">WG1540504</a> |
| Ethylbenzene              | U            |           | 0.000746  | 0.00253   | 1        | 09/10/2020 10:56 | <a href="#">WG1540504</a> |
| Total Xylenes             | 0.00160      | J         | 0.000891  | 0.00658   | 1        | 09/15/2020 04:58 | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 103          |           |           | 75.0-131  |          | 09/10/2020 10:56 | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 99.9         |           |           | 75.0-131  |          | 09/15/2020 04:58 | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 101          |           |           | 67.0-138  |          | 09/10/2020 10:56 | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 109          |           |           | 67.0-138  |          | 09/15/2020 04:58 | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 80.7         |           |           | 70.0-130  |          | 09/10/2020 10:56 | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 108          |           |           | 70.0-130  |          | 09/15/2020 04:58 | <a href="#">WG1542884</a> |

## 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 | 38.8         |           | 1.62      | 4.03      | 1        | 09/14/2020 12:11 | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 71.6         |           | 0.276     | 4.03      | 1        | 09/14/2020 12:11 | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 63.5         |           |           | 18.0-148  |          | 09/14/2020 12:11 | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 96.9   |           | 1        | 09/15/2020 08:40 | <a href="#">WG1541936</a> |

## 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 | 1070         |           | 47.5      | 103       | 5        | 09/10/2020 03:36 | <a href="#">WG1540140</a> |

## 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        | 09/11/2020 08:23 | <a href="#">WG1541187</a> |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 98.4         |           |           | 77.0-120  |          | 09/11/2020 08:23 | <a href="#">WG1541187</a> |

## 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            | J4        | 0.000497  | 0.00106   | 1        | 09/10/2020 11:16 | <a href="#">WG1540504</a> |
| Toluene                   | U            |           | 0.00138   | 0.00532   | 1        | 09/10/2020 11:16 | <a href="#">WG1540504</a> |
| Ethylbenzene              | U            |           | 0.000785  | 0.00266   | 1        | 09/10/2020 11:16 | <a href="#">WG1540504</a> |
| Total Xylenes             | U            |           | 0.000937  | 0.00692   | 1        | 09/15/2020 05:17 | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 09/10/2020 11:16 | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 97.8         |           |           | 75.0-131  |          | 09/15/2020 05:17 | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 99.4         |           |           | 67.0-138  |          | 09/10/2020 11:16 | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 109          |           |           | 67.0-138  |          | 09/15/2020 05:17 | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 78.0         |           |           | 70.0-130  |          | 09/10/2020 11:16 | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 109          |           |           | 70.0-130  |          | 09/15/2020 05:17 | <a href="#">WG1542884</a> |

## 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 | 6.05         |           | 1.66      | 4.13      | 1        | 09/14/2020 12:24 | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 15.9         |           | 0.283     | 4.13      | 1        | 09/14/2020 12:24 | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 55.4         |           |           | 18.0-148  |          | 09/14/2020 12:24 | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.6   |           | 1        | 09/15/2020 08:40     | <a href="#">WG1541936</a> |

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 | 937          |           | 48.6      | 106       | 5        | 09/10/2020 03:51     | <a href="#">WG1540140</a> |

## 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            |           | 0.0229    | 0.106     | 1        | 09/11/2020 08:45     | <a href="#">WG1541187</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.1         |           |           | 77.0-120  |          | 09/11/2020 08:45     | <a href="#">WG1541187</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            | J4        | 0.000520  | 0.00111   | 1        | 09/10/2020 11:37     | <a href="#">WG1540504</a> |
| Toluene                   | U            |           | 0.00145   | 0.00557   | 1        | 09/10/2020 11:37     | <a href="#">WG1540504</a> |
| Ethylbenzene              | U            |           | 0.000821  | 0.00278   | 1        | 09/10/2020 11:37     | <a href="#">WG1540504</a> |
| Total Xylenes             | U            |           | 0.000980  | 0.00724   | 1        | 09/15/2020 05:36     | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 102          |           |           | 75.0-131  |          | 09/10/2020 11:37     | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 98.4         |           |           | 75.0-131  |          | 09/15/2020 05:36     | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 95.4         |           |           | 67.0-138  |          | 09/10/2020 11:37     | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 108          |           |           | 67.0-138  |          | 09/15/2020 05:36     | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 80.6         |           |           | 70.0-130  |          | 09/10/2020 11:37     | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 110          |           |           | 70.0-130  |          | 09/15/2020 05:36     | <a href="#">WG1542884</a> |

## 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 | 1.90         | J         | 1.70      | 4.23      | 1        | 09/14/2020 10:52     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 1.85         | B J       | 0.290     | 4.23      | 1        | 09/14/2020 10:52     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 78.4         |           |           | 18.0-148  |          | 09/14/2020 10:52     | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 80.5   |           | 1        | 09/15/2020 08:30 | <a href="#">WG1542195</a> |

## 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 | 100          |           | 11.4      | 24.8      | 1        | 09/10/2020 04:06 | <a href="#">WG1540140</a> |

## 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               | 0.0277       | <a href="#">B J</a> | 0.0269    | 0.124     | 1        | 09/11/2020 02:52 | <a href="#">WG1541228</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 89.5         |                     |           | 77.0-120  |          | 09/11/2020 02:52 | <a href="#">WG1541228</a> |

## 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            | <a href="#">J4</a> | 0.000693  | 0.00148   | 1        | 09/10/2020 11:57 | <a href="#">WG1540504</a> |
| Toluene                          | U            |                    | 0.00193   | 0.00742   | 1        | 09/10/2020 11:57 | <a href="#">WG1540504</a> |
| Ethylbenzene                     | U            |                    | 0.00109   | 0.00371   | 1        | 09/10/2020 11:57 | <a href="#">WG1540504</a> |
| Total Xylenes                    | U            |                    | 0.00131   | 0.00965   | 1        | 09/15/2020 05:54 | <a href="#">WG1542884</a> |
| (S) <i>Toluene-d8</i>            | 102          |                    |           | 75.0-131  |          | 09/10/2020 11:57 | <a href="#">WG1540504</a> |
| (S) <i>Toluene-d8</i>            | 102          |                    |           | 75.0-131  |          | 09/15/2020 05:54 | <a href="#">WG1542884</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 97.7         |                    |           | 67.0-138  |          | 09/10/2020 11:57 | <a href="#">WG1540504</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 103          |                    |           | 67.0-138  |          | 09/15/2020 05:54 | <a href="#">WG1542884</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 79.6         |                    |           | 70.0-130  |          | 09/10/2020 11:57 | <a href="#">WG1540504</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 110          |                    |           | 70.0-130  |          | 09/15/2020 05:54 | <a href="#">WG1542884</a> |

## 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            |                     | 2.00      | 4.97      | 1        | 09/14/2020 11:19 | <a href="#">WG1542342</a> |
| C28-C40 Oil Range       | 0.441        | <a href="#">B J</a> | 0.340     | 4.97      | 1        | 09/14/2020 11:19 | <a href="#">WG1542342</a> |
| (S) <i>o</i> -Terphenyl | 62.4         |                     |           | 18.0-148  |          | 09/14/2020 11:19 | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.8   |           | 1        | 09/15/2020 08:30     | <a href="#">WG1542195</a> |

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 | 955          | <a href="#">J5</a> | 9.70      | 21.1      | 1        | 09/10/2020 04:21     | <a href="#">WG1540140</a> |

## 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            |           | 0.0229    | 0.105     | 1        | 09/11/2020 03:13     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.3         |           |           | 77.0-120  |          | 09/11/2020 03:13     | <a href="#">WG1541228</a> |

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

| Analyte                   | Result (dry) | Qualifier          | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|--------------------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            | <a href="#">J4</a> | 0.000518  | 0.00111   | 1        | 09/10/2020 12:18     | <a href="#">WG1540504</a> |
| Toluene                   | U            |                    | 0.00144   | 0.00555   | 1        | 09/10/2020 12:18     | <a href="#">WG1540504</a> |
| Ethylbenzene              | U            |                    | 0.000817  | 0.00277   | 1        | 09/10/2020 12:18     | <a href="#">WG1540504</a> |
| Total Xylenes             | 0.00114      | <a href="#">J</a>  | 0.000976  | 0.00721   | 1        | 09/15/2020 06:13     | <a href="#">WG1542884</a> |
| (S) Toluene-d8            | 99.9         |                    |           | 75.0-131  |          | 09/10/2020 12:18     | <a href="#">WG1540504</a> |
| (S) Toluene-d8            | 98.6         |                    |           | 75.0-131  |          | 09/15/2020 06:13     | <a href="#">WG1542884</a> |
| (S) 4-Bromofluorobenzene  | 98.0         |                    |           | 67.0-138  |          | 09/10/2020 12:18     | <a href="#">WG1540504</a> |
| (S) 4-Bromofluorobenzene  | 104          |                    |           | 67.0-138  |          | 09/15/2020 06:13     | <a href="#">WG1542884</a> |
| (S) 1,2-Dichloroethane-d4 | 80.4         |                    |           | 70.0-130  |          | 09/10/2020 12:18     | <a href="#">WG1540504</a> |
| (S) 1,2-Dichloroethane-d4 | 102          |                    |           | 70.0-130  |          | 09/15/2020 06:13     | <a href="#">WG1542884</a> |

## 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 | 2.32         | <a href="#">J</a>   | 1.70      | 4.22      | 1        | 09/14/2020 11:20     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 1.28         | <a href="#">B J</a> | 0.289     | 4.22      | 1        | 09/14/2020 11:20     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 78.3         |                     |           | 18.0-148  |          | 09/14/2020 11:20     | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.7   |           | 1        | 09/15/2020 08:30     | <a href="#">WG1542195</a> |

## 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 | 863                |           | 9.72            | 21.1            | 1        | 09/10/2020 05:20     | <a href="#">WG1540140</a> |

## 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       | 0.0270             | <a href="#">B J</a> | 0.0229          | 0.106           | 1        | 09/11/2020 03:41     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 86.9               |                     |                 | 77.0-120        |          | 09/11/2020 03:41     | <a href="#">WG1541228</a> |

## 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                  |           | 0.000520        | 0.00111         | 1        | 09/10/2020 12:26     | <a href="#">WG1540684</a> |
| Toluene                   | U                  |           | 0.00145         | 0.00556         | 1        | 09/10/2020 12:26     | <a href="#">WG1540684</a> |
| Ethylbenzene              | U                  |           | 0.000820        | 0.00278         | 1        | 09/10/2020 12:26     | <a href="#">WG1540684</a> |
| Total Xylenes             | U                  |           | 0.000979        | 0.00723         | 1        | 09/10/2020 12:26     | <a href="#">WG1540684</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 09/10/2020 12:26     | <a href="#">WG1540684</a> |
| (S) 4-Bromofluorobenzene  | 109                |           |                 | 67.0-138        |          | 09/10/2020 12:26     | <a href="#">WG1540684</a> |
| (S) 1,2-Dichloroethane-d4 | 106                |           |                 | 70.0-130        |          | 09/10/2020 12:26     | <a href="#">WG1540684</a> |

## 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 | 2.45               | <a href="#">J</a>   | 1.70            | 4.22            | 1        | 09/14/2020 12:49     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 2.12               | <a href="#">B J</a> | 0.289           | 4.22            | 1        | 09/14/2020 12:49     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 64.2               |                     |                 | 18.0-148        |          | 09/14/2020 12:49     | <a href="#">WG1542342</a> |



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.4   |           | 1        | 09/15/2020 08:30     | <a href="#">WG1542195</a> |

## 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 | 481                |           | 9.85            | 21.4            | 1        | 09/10/2020 05:35     | <a href="#">WG1540140</a> |

## 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       | 0.0333             | <a href="#">B J</a> | 0.0232          | 0.107           | 1        | 09/11/2020 04:07     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 86.8               |                     |                 | 77.0-120        |          | 09/11/2020 04:07     | <a href="#">WG1541228</a> |

## 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                  |           | 0.000533        | 0.00114         | 1        | 09/10/2020 13:17     | <a href="#">WG1540684</a> |
| Toluene                   | U                  |           | 0.00148         | 0.00571         | 1        | 09/10/2020 13:17     | <a href="#">WG1540684</a> |
| Ethylbenzene              | U                  |           | 0.000841        | 0.00285         | 1        | 09/10/2020 13:17     | <a href="#">WG1540684</a> |
| Total Xylenes             | U                  |           | 0.00100         | 0.00742         | 1        | 09/10/2020 13:17     | <a href="#">WG1540684</a> |
| (S) Toluene-d8            | 101                |           |                 | 75.0-131        |          | 09/10/2020 13:17     | <a href="#">WG1540684</a> |
| (S) 4-Bromofluorobenzene  | 111                |           |                 | 67.0-138        |          | 09/10/2020 13:17     | <a href="#">WG1540684</a> |
| (S) 1,2-Dichloroethane-d4 | 108                |           |                 | 70.0-130        |          | 09/10/2020 13:17     | <a href="#">WG1540684</a> |

## 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 | 3.23               | <a href="#">J</a>   | 1.72            | 4.28            | 1        | 09/14/2020 11:33     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 1.48               | <a href="#">B J</a> | 0.293           | 4.28            | 1        | 09/14/2020 11:33     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 60.5               |                     |                 | 18.0-148        |          | 09/14/2020 11:33     | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.8   |           | 1        | 09/15/2020 08:30     | <a href="#">WG1542195</a> |

## 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 | 463                |           | 9.70            | 21.1            | 1        | 09/10/2020 05:50     | <a href="#">WG1540140</a> |

## 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       | 0.0357             | <a href="#">B J</a> | 0.0229          | 0.105           | 1        | 09/11/2020 04:28     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 87.4               |                     |                 | 77.0-120        |          | 09/11/2020 04:28     | <a href="#">WG1541228</a> |

## 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        | 09/10/2020 13:36     | <a href="#">WG1540684</a> |
| Toluene                   | U                  |           | 0.00144         | 0.00554         | 1        | 09/10/2020 13:36     | <a href="#">WG1540684</a> |
| Ethylbenzene              | U                  |           | 0.000817        | 0.00277         | 1        | 09/10/2020 13:36     | <a href="#">WG1540684</a> |
| Total Xylenes             | U                  |           | 0.000976        | 0.00721         | 1        | 09/10/2020 13:36     | <a href="#">WG1540684</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 09/10/2020 13:36     | <a href="#">WG1540684</a> |
| (S) 4-Bromofluorobenzene  | 108                |           |                 | 67.0-138        |          | 09/10/2020 13:36     | <a href="#">WG1540684</a> |
| (S) 1,2-Dichloroethane-d4 | 104                |           |                 | 70.0-130        |          | 09/10/2020 13:36     | <a href="#">WG1540684</a> |

## 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 | 2.03               | <a href="#">J</a>   | 1.70            | 4.22            | 1        | 09/14/2020 11:46     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 0.683              | <a href="#">B J</a> | 0.289           | 4.22            | 1        | 09/14/2020 11:46     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 69.8               |                     |                 | 18.0-148        |          | 09/14/2020 11:46     | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.7   |           | 1        | 09/15/2020 08:30     | <a href="#">WG1542195</a> |

## 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 | 289                |           | 9.71            | 21.1            | 1        | 09/10/2020 06:35     | <a href="#">WG1540140</a> |

## 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       | 0.0503             | <a href="#">B J</a> | 0.0229          | 0.106           | 1        | 09/11/2020 04:49     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 86.6               |                     |                 | 77.0-120        |          | 09/11/2020 04:49     | <a href="#">WG1541228</a> |

## 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        | 09/10/2020 13:54     | <a href="#">WG1540684</a> |
| Toluene                   | U                  |           | 0.00145         | 0.00556         | 1        | 09/10/2020 13:54     | <a href="#">WG1540684</a> |
| Ethylbenzene              | U                  |           | 0.000819        | 0.00278         | 1        | 09/10/2020 13:54     | <a href="#">WG1540684</a> |
| Total Xylenes             | U                  |           | 0.000978        | 0.00723         | 1        | 09/10/2020 13:54     | <a href="#">WG1540684</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 09/10/2020 13:54     | <a href="#">WG1540684</a> |
| (S) 4-Bromofluorobenzene  | 107                |           |                 | 67.0-138        |          | 09/10/2020 13:54     | <a href="#">WG1540684</a> |
| (S) 1,2-Dichloroethane-d4 | 105                |           |                 | 70.0-130        |          | 09/10/2020 13:54     | <a href="#">WG1540684</a> |

## 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 | 22.7               |           | 1.70            | 4.22            | 1        | 09/14/2020 14:06     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 78.0               |           | 0.289           | 4.22            | 1        | 09/14/2020 14:06     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 49.5               |           |                 | 18.0-148        |          | 09/14/2020 14:06     | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.8   |           | 1        | 09/15/2020 08:30     | <a href="#">WG1542195</a> |

## 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 | 51.3               |           | 9.51            | 20.7            | 1        | 09/10/2020 06:50     | <a href="#">WG1540140</a> |

## 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       | 0.0227             | <a href="#">B J</a> | 0.0224          | 0.103           | 1        | 09/11/2020 05:09     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.8               |                     |                 | 77.0-120        |          | 09/11/2020 05:09     | <a href="#">WG1541228</a> |

## 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        | 09/10/2020 14:13     | <a href="#">WG1540684</a> |
| Toluene                   | U                  |           | 0.00139         | 0.00533         | 1        | 09/10/2020 14:13     | <a href="#">WG1540684</a> |
| Ethylbenzene              | U                  |           | 0.000786        | 0.00267         | 1        | 09/10/2020 14:13     | <a href="#">WG1540684</a> |
| Total Xylenes             | U                  |           | 0.000939        | 0.00693         | 1        | 09/10/2020 14:13     | <a href="#">WG1540684</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 09/10/2020 14:13     | <a href="#">WG1540684</a> |
| (S) 4-Bromofluorobenzene  | 110                |           |                 | 67.0-138        |          | 09/10/2020 14:13     | <a href="#">WG1540684</a> |
| (S) 1,2-Dichloroethane-d4 | 106                |           |                 | 70.0-130        |          | 09/10/2020 14:13     | <a href="#">WG1540684</a> |

## 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 | 3.19               | <a href="#">J</a> | 1.66            | 4.13            | 1        | 09/14/2020 13:02     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 10.5               |                   | 0.283           | 4.13            | 1        | 09/14/2020 13:02     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 70.2               |                   |                 | 18.0-148        |          | 09/14/2020 13:02     | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.8   |           | 1        | 09/15/2020 08:30     | <a href="#">WG1542195</a> |

## 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 | 56.5               |           | 9.41            | 20.5            | 1        | 09/10/2020 07:05     | <a href="#">WG1540140</a> |

## 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       | 0.0267             | <a href="#">B J</a> | 0.0222          | 0.102           | 1        | 09/11/2020 05:30     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 89.1               |                     |                 | 77.0-120        |          | 09/11/2020 05:30     | <a href="#">WG1541228</a> |

## 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        | 0.00105         | 1        | 09/10/2020 14:32     | <a href="#">WG1540684</a> |
| Toluene                   | U                  |                   | 0.00136         | 0.00523         | 1        | 09/10/2020 14:32     | <a href="#">WG1540684</a> |
| Ethylbenzene              | U                  |                   | 0.000771        | 0.00261         | 1        | 09/10/2020 14:32     | <a href="#">WG1540684</a> |
| Total Xylenes             | 0.00111            | <a href="#">J</a> | 0.000920        | 0.00680         | 1        | 09/10/2020 14:32     | <a href="#">WG1540684</a> |
| (S) Toluene-d8            | 102                |                   |                 | 75.0-131        |          | 09/10/2020 14:32     | <a href="#">WG1540684</a> |
| (S) 4-Bromofluorobenzene  | 104                |                   |                 | 67.0-138        |          | 09/10/2020 14:32     | <a href="#">WG1540684</a> |
| (S) 1,2-Dichloroethane-d4 | 105                |                   |                 | 70.0-130        |          | 09/10/2020 14:32     | <a href="#">WG1540684</a> |

## 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 | 2.68               | <a href="#">J</a>   | 1.65            | 4.09            | 1        | 09/14/2020 11:59     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 3.60               | <a href="#">B J</a> | 0.280           | 4.09            | 1        | 09/14/2020 11:59     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 64.0               |                     |                 | 18.0-148        |          | 09/14/2020 11:59     | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.0   |           | 1        | 09/15/2020 08:30     | <a href="#">WG1542195</a> |

## 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 | 22.6               |           | 9.29            | 20.2            | 1        | 09/10/2020 07:20     | <a href="#">WG1540140</a> |

## 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       | 0.0383             | <a href="#">B J</a> | 0.0219          | 0.101           | 1        | 09/11/2020 05:54     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.1               |                     |                 | 77.0-120        |          | 09/11/2020 05:54     | <a href="#">WG1541228</a> |

## 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                   | 0.000530           | <a href="#">J</a> | 0.000476        | 0.00102         | 1        | 09/10/2020 14:51     | <a href="#">WG1540684</a> |
| Toluene                   | U                  |                   | 0.00133         | 0.00510         | 1        | 09/10/2020 14:51     | <a href="#">WG1540684</a> |
| Ethylbenzene              | U                  |                   | 0.000752        | 0.00255         | 1        | 09/10/2020 14:51     | <a href="#">WG1540684</a> |
| Total Xylenes             | 0.00106            | <a href="#">J</a> | 0.000898        | 0.00663         | 1        | 09/10/2020 14:51     | <a href="#">WG1540684</a> |
| (S) Toluene-d8            | 103                |                   |                 | 75.0-131        |          | 09/10/2020 14:51     | <a href="#">WG1540684</a> |
| (S) 4-Bromofluorobenzene  | 110                |                   |                 | 67.0-138        |          | 09/10/2020 14:51     | <a href="#">WG1540684</a> |
| (S) 1,2-Dichloroethane-d4 | 106                |                   |                 | 70.0-130        |          | 09/10/2020 14:51     | <a href="#">WG1540684</a> |

## 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 | 4.10               |           | 1.63            | 4.04            | 1        | 09/14/2020 12:37     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 9.97               |           | 0.277           | 4.04            | 1        | 09/14/2020 12:37     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 121                |           |                 | 18.0-148        |          | 09/14/2020 12:37     | <a href="#">WG1542342</a> |



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.7   |           | 1        | 09/15/2020 08:30     | <a href="#">WG1542195</a> |

## 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 | 221                |           | 9.32            | 20.3            | 1        | 09/10/2020 07:35     | <a href="#">WG1540140</a> |

## 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       | 0.0260             | <a href="#">B J</a> | 0.0220          | 0.101           | 1        | 09/11/2020 06:28     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.1               |                     |                 | 77.0-120        |          | 09/11/2020 06:28     | <a href="#">WG1541228</a> |

## 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        | 09/10/2020 15:09     | <a href="#">WG1540684</a> |
| Toluene                   | U                  |           | 0.00133         | 0.00513         | 1        | 09/10/2020 15:09     | <a href="#">WG1540684</a> |
| Ethylbenzene              | U                  |           | 0.000756        | 0.00257         | 1        | 09/10/2020 15:09     | <a href="#">WG1540684</a> |
| Total Xylenes             | U                  |           | 0.000903        | 0.00667         | 1        | 09/10/2020 15:09     | <a href="#">WG1540684</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 09/10/2020 15:09     | <a href="#">WG1540684</a> |
| (S) 4-Bromofluorobenzene  | 107                |           |                 | 67.0-138        |          | 09/10/2020 15:09     | <a href="#">WG1540684</a> |
| (S) 1,2-Dichloroethane-d4 | 106                |           |                 | 70.0-130        |          | 09/10/2020 15:09     | <a href="#">WG1540684</a> |

## 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 | 7.51               |           | 1.63            | 4.05            | 1        | 09/14/2020 13:15     | <a href="#">WG1542342</a> |
| C28-C40 Oil Range    | 21.0               |           | 0.278           | 4.05            | 1        | 09/14/2020 13:15     | <a href="#">WG1542342</a> |
| (S) o-Terphenyl      | 58.5               |           |                 | 18.0-148        |          | 09/14/2020 13:15     | <a href="#">WG1542342</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.3   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## 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 | 453                |           | 9.55            | 20.8            | 1        | 09/10/2020 07:49     | <a href="#">WG1540140</a> |

## 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       | 0.0244             | <a href="#">B J</a> | 0.0225          | 0.104           | 1        | 09/11/2020 07:15     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 89.3               |                     |                 | 77.0-120        |          | 09/11/2020 07:15     | <a href="#">WG1541228</a> |

## 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                  | <a href="#">J3</a> | 0.000503        | 0.00108         | 1        | 09/10/2020 15:28     | <a href="#">WG1540684</a> |
| Toluene                   | U                  | <a href="#">J3</a> | 0.00140         | 0.00539         | 1        | 09/10/2020 15:28     | <a href="#">WG1540684</a> |
| Ethylbenzene              | U                  | <a href="#">J3</a> | 0.000794        | 0.00269         | 1        | 09/10/2020 15:28     | <a href="#">WG1540684</a> |
| Total Xylenes             | U                  | <a href="#">J3</a> | 0.000948        | 0.00700         | 1        | 09/10/2020 15:28     | <a href="#">WG1540684</a> |
| (S) Toluene-d8            | 101                |                    |                 | 75.0-131        |          | 09/10/2020 15:28     | <a href="#">WG1540684</a> |
| (S) 4-Bromofluorobenzene  | 110                |                    |                 | 67.0-138        |          | 09/10/2020 15:28     | <a href="#">WG1540684</a> |
| (S) 1,2-Dichloroethane-d4 | 104                |                    |                 | 70.0-130        |          | 09/10/2020 15:28     | <a href="#">WG1540684</a> |

## 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               | <a href="#">J</a>   | 1.67            | 4.15            | 1        | 09/14/2020 20:01     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 1.60               | <a href="#">B J</a> | 0.285           | 4.15            | 1        | 09/14/2020 20:01     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 73.7               |                     |                 | 18.0-148        |          | 09/14/2020 20:01     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.5   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## 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 | 580                |           | 9.84            | 21.4            | 1        | 09/10/2020 05:08     | <a href="#">WG1540146</a> |

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

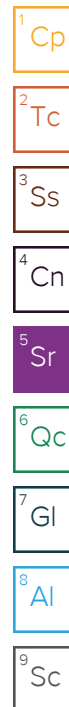
| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0232          | 0.107           | 1        | 09/11/2020 07:36     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.2               |           |                 | 77.0-120        |          | 09/11/2020 07:36     | <a href="#">WG1541228</a> |

## 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                  |           | 0.000532        | 0.00114         | 1        | 09/11/2020 16:18     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00148         | 0.00570         | 1        | 09/11/2020 16:18     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000840        | 0.00285         | 1        | 09/11/2020 16:18     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.00100         | 0.00741         | 1        | 09/11/2020 16:18     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 100                |           |                 | 75.0-131        |          | 09/11/2020 16:18     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 92.3               |           |                 | 67.0-138        |          | 09/11/2020 16:18     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 97.1               |           |                 | 70.0-130        |          | 09/11/2020 16:18     | <a href="#">WG1540685</a> |

## 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                  |                     | 1.72            | 4.28            | 1        | 09/14/2020 20:14     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 0.450              | <a href="#">B J</a> | 0.293           | 4.28            | 1        | 09/14/2020 20:14     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 67.4               |                     |                 | 18.0-148        |          | 09/14/2020 20:14     | <a href="#">WG1542344</a> |



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.1   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## 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 | 416                |           | 9.57            | 20.8            | 1        | 09/10/2020 05:27     | <a href="#">WG1540146</a> |

## 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        | 09/11/2020 07:59     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.6               |           |                 | 77.0-120        |          | 09/11/2020 07:59     | <a href="#">WG1541228</a> |

## 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                  |           | 0.000505        | 0.00108         | 1        | 09/11/2020 16:37     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00141         | 0.00541         | 1        | 09/11/2020 16:37     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000797        | 0.00270         | 1        | 09/11/2020 16:37     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.000952        | 0.00703         | 1        | 09/11/2020 16:37     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 09/11/2020 16:37     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 93.9               |           |                 | 67.0-138        |          | 09/11/2020 16:37     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 99.5               |           |                 | 70.0-130        |          | 09/11/2020 16:37     | <a href="#">WG1540685</a> |

## 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            | 4.16            | 1        | 09/14/2020 20:27     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | U                  |           | 0.285           | 4.16            | 1        | 09/14/2020 20:27     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 65.4               |           |                 | 18.0-148        |          | 09/14/2020 20:27     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.0   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## 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 | 50.8               |           | 9.58            | 20.8            | 1        | 09/10/2020 05:37     | <a href="#">WG1540146</a> |

## 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       | 0.0414             | <a href="#">B J</a> | 0.0226          | 0.104           | 1        | 09/11/2020 08:20     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.8               |                     |                 | 77.0-120        |          | 09/11/2020 08:20     | <a href="#">WG1541228</a> |

## 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                  |           | 0.000506        | 0.00108         | 1        | 09/11/2020 16:56     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00141         | 0.00541         | 1        | 09/11/2020 16:56     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000798        | 0.00271         | 1        | 09/11/2020 16:56     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.000953        | 0.00704         | 1        | 09/11/2020 16:56     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 98.8               |           |                 | 75.0-131        |          | 09/11/2020 16:56     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 90.6               |           |                 | 67.0-138        |          | 09/11/2020 16:56     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 98.4               |           |                 | 70.0-130        |          | 09/11/2020 16:56     | <a href="#">WG1540685</a> |

## 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                  | <a href="#">J3</a>  | 1.68            | 4.17            | 1        | 09/14/2020 20:41     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 0.368              | <a href="#">B J</a> | 0.285           | 4.17            | 1        | 09/14/2020 20:41     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 69.9               |                     |                 | 18.0-148        |          | 09/14/2020 20:41     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.3   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 22.7         |           | 9.87      | 21.4      | 1        | 09/10/2020 05:47     | <a href="#">WG1540146</a> |

## 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       | 0.0318       | <a href="#">B J</a> | 0.0233    | 0.107     | 1        | 09/11/2020 08:41     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.6         |                     |           | 77.0-120  |          | 09/11/2020 08:41     | <a href="#">WG1541228</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000535  | 0.00114   | 1        | 09/11/2020 17:15     | <a href="#">WG1540685</a> |
| Toluene                   | U            |           | 0.00149   | 0.00572   | 1        | 09/11/2020 17:15     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U            |           | 0.000844  | 0.00286   | 1        | 09/11/2020 17:15     | <a href="#">WG1540685</a> |
| Total Xylenes             | U            |           | 0.00101   | 0.00744   | 1        | 09/11/2020 17:15     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 101          |           |           | 75.0-131  |          | 09/11/2020 17:15     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 93.2         |           |           | 67.0-138  |          | 09/11/2020 17:15     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 99.8         |           |           | 70.0-130  |          | 09/11/2020 17:15     | <a href="#">WG1540685</a> |

## 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 | 4.18         | <a href="#">J</a>   | 1.73      | 4.29      | 1        | 09/14/2020 21:20     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 4.27         | <a href="#">B J</a> | 0.294     | 4.29      | 1        | 09/14/2020 21:20     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 78.0         |                     |           | 18.0-148  |          | 09/14/2020 21:20     | <a href="#">WG1542344</a> |

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



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.4   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## 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 | 136                |           | 9.44            | 20.5            | 1        | 09/10/2020 05:56     | <a href="#">WG1540146</a> |

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

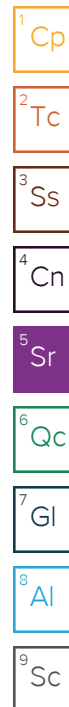
| Analyte                         | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0226             | <a href="#">B J</a> | 0.0223          | 0.103           | 1        | 09/11/2020 09:01     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.9               |                     |                 | 77.0-120        |          | 09/11/2020 09:01     | <a href="#">WG1541228</a> |

## 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                  |           | 0.000492        | 0.00105         | 1        | 09/11/2020 17:34     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00137         | 0.00527         | 1        | 09/11/2020 17:34     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000776        | 0.00263         | 1        | 09/11/2020 17:34     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.000927        | 0.00685         | 1        | 09/11/2020 17:34     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 100                |           |                 | 75.0-131        |          | 09/11/2020 17:34     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 92.8               |           |                 | 67.0-138        |          | 09/11/2020 17:34     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 96.1               |           |                 | 70.0-130        |          | 09/11/2020 17:34     | <a href="#">WG1540685</a> |

## 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 | 1.91               | <a href="#">J</a> | 1.65            | 4.11            | 1        | 09/14/2020 23:43     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 7.07               | <a href="#">B</a> | 0.281           | 4.11            | 1        | 09/14/2020 23:43     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 73.7               |                   |                 | 18.0-148        |          | 09/14/2020 23:43     | <a href="#">WG1542344</a> |



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.7   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## 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 | 121                |           | 9.72            | 21.1            | 1        | 09/10/2020 06:06     | <a href="#">WG1540146</a> |

## 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        | 09/11/2020 09:22     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 89.0               |           |                 | 77.0-120        |          | 09/11/2020 09:22     | <a href="#">WG1541228</a> |

## 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                  |           | 0.000520        | 0.00111         | 1        | 09/11/2020 17:53     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00145         | 0.00556         | 1        | 09/11/2020 17:53     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000820        | 0.00278         | 1        | 09/11/2020 17:53     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.000979        | 0.00723         | 1        | 09/11/2020 17:53     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 99.4               |           |                 | 75.0-131        |          | 09/11/2020 17:53     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 95.6               |           |                 | 67.0-138        |          | 09/11/2020 17:53     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 105                |           |                 | 70.0-130        |          | 09/11/2020 17:53     | <a href="#">WG1540685</a> |

## 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 | 1.91               | <u>J</u>  | 1.70            | 4.22            | 1        | 09/14/2020 23:30     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 6.53               | <u>B</u>  | 0.289           | 4.22            | 1        | 09/14/2020 23:30     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 70.7               |           |                 | 18.0-148        |          | 09/14/2020 23:30     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.3   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## 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 | 170                |           | 9.36            | 20.4            | 1        | 09/10/2020 06:15     | <a href="#">WG1540146</a> |

## 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       | 0.0259             | <a href="#">B J</a> | 0.0221          | 0.102           | 1        | 09/11/2020 09:43     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.2               |                     |                 | 77.0-120        |          | 09/11/2020 09:43     | <a href="#">WG1541228</a> |

## 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        | 09/11/2020 18:12     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00135         | 0.00518         | 1        | 09/11/2020 18:12     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000763        | 0.00259         | 1        | 09/11/2020 18:12     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.000911        | 0.00673         | 1        | 09/11/2020 18:12     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 09/11/2020 18:12     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 93.8               |           |                 | 67.0-138        |          | 09/11/2020 18:12     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 97.1               |           |                 | 70.0-130        |          | 09/11/2020 18:12     | <a href="#">WG1540685</a> |

## 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        | 09/14/2020 21:33     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | U                  |           | 0.279           | 4.07            | 1        | 09/14/2020 21:33     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 67.3               |           |                 | 18.0-148        |          | 09/14/2020 21:33     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.5   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## 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 | 104                |           | 9.53            | 20.7            | 1        | 09/10/2020 06:44     | <a href="#">WG1540146</a> |

## 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       | 0.0248             | <a href="#">B J</a> | 0.0225          | 0.104           | 1        | 09/11/2020 10:03     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.6               |                     |                 | 77.0-120        |          | 09/11/2020 10:03     | <a href="#">WG1541228</a> |

## 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        | 09/11/2020 18:31     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00139         | 0.00536         | 1        | 09/11/2020 18:31     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000791        | 0.00268         | 1        | 09/11/2020 18:31     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.000944        | 0.00697         | 1        | 09/11/2020 18:31     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 101                |           |                 | 75.0-131        |          | 09/11/2020 18:31     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 91.2               |           |                 | 67.0-138        |          | 09/11/2020 18:31     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 98.3               |           |                 | 70.0-130        |          | 09/11/2020 18:31     | <a href="#">WG1540685</a> |

## 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 | 3.27               | <a href="#">J</a> | 1.67            | 4.15            | 1        | 09/14/2020 21:46     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 4.71               | <a href="#">B</a> | 0.284           | 4.15            | 1        | 09/14/2020 21:46     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 74.5               |                   |                 | 18.0-148        |          | 09/14/2020 21:46     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.9   |           | 1        | 09/15/2020 07:42     | <a href="#">WG1542196</a> |

## 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 | 214                |           | 9.40            | 20.4            | 1        | 09/10/2020 06:53     | <a href="#">WG1540146</a> |

## 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       | 0.0357             | <a href="#">B J</a> | 0.0222          | 0.102           | 1        | 09/11/2020 10:24     | <a href="#">WG1541228</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.6               |                     |                 | 77.0-120        |          | 09/11/2020 10:24     | <a href="#">WG1541228</a> |

## 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        | 09/11/2020 18:50     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00522         | 1        | 09/11/2020 18:50     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000769        | 0.00261         | 1        | 09/11/2020 18:50     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.000918        | 0.00678         | 1        | 09/11/2020 18:50     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 100                |           |                 | 75.0-131        |          | 09/11/2020 18:50     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 91.1               |           |                 | 67.0-138        |          | 09/11/2020 18:50     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 93.9               |           |                 | 70.0-130        |          | 09/11/2020 18:50     | <a href="#">WG1540685</a> |

## 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 | 4.54               |                   | 1.64            | 4.09            | 1        | 09/15/2020 00:09     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 19.5               | <a href="#">B</a> | 0.280           | 4.09            | 1        | 09/15/2020 00:09     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 71.2               |                   |                 | 18.0-148        |          | 09/15/2020 00:09     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.7   |           | 1        | 09/15/2020 11:24     | <a href="#">WG1542197</a> |

## 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 | 449                |           | 9.62            | 20.9            | 1        | 09/10/2020 07:03     | <a href="#">WG1540146</a> |

## 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        | 09/11/2020 11:36     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104                |           |                 | 77.0-120        |          | 09/11/2020 11:36     | <a href="#">WG1541325</a> |

## 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        | 09/11/2020 19:10     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00142         | 0.00545         | 1        | 09/11/2020 19:10     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000804        | 0.00273         | 1        | 09/11/2020 19:10     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.000960        | 0.00709         | 1        | 09/11/2020 19:10     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 09/11/2020 19:10     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 91.1               |           |                 | 67.0-138        |          | 09/11/2020 19:10     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 94.7               |           |                 | 70.0-130        |          | 09/11/2020 19:10     | <a href="#">WG1540685</a> |

## 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        | 09/14/2020 21:59     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 1.79               | <a href="#">B J</a> | 0.286           | 4.18            | 1        | 09/14/2020 21:59     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 75.0               |                     |                 | 18.0-148        |          | 09/14/2020 21:59     | <a href="#">WG1542344</a> |



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.4   |           | 1        | 09/15/2020 11:24     | <a href="#">WG1542197</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 287          |           | 9.64      | 21.0      | 1        | 09/10/2020 07:12     | <a href="#">WG1540146</a> |

## 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            |           | 0.0230    | 0.106     | 1.01     | 09/11/2020 11:56     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 108          |           |           | 77.0-120  |          | 09/11/2020 11:56     | <a href="#">WG1541325</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000512  | 0.00110   | 1        | 09/11/2020 19:29     | <a href="#">WG1540685</a> |
| Toluene                   | U            |           | 0.00143   | 0.00548   | 1        | 09/11/2020 19:29     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U            |           | 0.000808  | 0.00274   | 1        | 09/11/2020 19:29     | <a href="#">WG1540685</a> |
| Total Xylenes             | U            |           | 0.000965  | 0.00713   | 1        | 09/11/2020 19:29     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 100          |           |           | 75.0-131  |          | 09/11/2020 19:29     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 91.5         |           |           | 67.0-138  |          | 09/11/2020 19:29     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 99.9         |           |           | 70.0-130  |          | 09/11/2020 19:29     | <a href="#">WG1540685</a> |

## 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            |           | 1.69      | 4.19      | 1        | 09/14/2020 22:12     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | U            |           | 0.287     | 4.19      | 1        | 09/14/2020 22:12     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 68.3         |           |           | 18.0-148  |          | 09/14/2020 22:12     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.5   |           | 1        | 09/15/2020 11:24     | <a href="#">WG1542197</a> |

## 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 | 128                |           | 9.73            | 21.2            | 1        | 09/10/2020 07:22     | <a href="#">WG1540146</a> |

## 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        | 09/11/2020 12:17     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 103                |           |                 | 77.0-120        |          | 09/11/2020 12:17     | <a href="#">WG1541325</a> |

## 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                  |           | 0.000521        | 0.00112         | 1        | 09/11/2020 19:48     | <a href="#">WG1540685</a> |
| Toluene                   | U                  |           | 0.00145         | 0.00558         | 1        | 09/11/2020 19:48     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U                  |           | 0.000822        | 0.00279         | 1        | 09/11/2020 19:48     | <a href="#">WG1540685</a> |
| Total Xylenes             | U                  |           | 0.000982        | 0.00725         | 1        | 09/11/2020 19:48     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 09/11/2020 19:48     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 91.5               |           |                 | 67.0-138        |          | 09/11/2020 19:48     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 96.9               |           |                 | 70.0-130        |          | 09/11/2020 19:48     | <a href="#">WG1540685</a> |

## 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            | 4.23            | 1        | 09/14/2020 22:25     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | U                  |           | 0.290           | 4.23            | 1        | 09/14/2020 22:25     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 73.6               |           |                 | 18.0-148        |          | 09/14/2020 22:25     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.4   |           | 1        | 09/15/2020 11:24     | <a href="#">WG1542197</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 79.2         |           | 9.35      | 20.3      | 1        | 09/10/2020 07:50     | <a href="#">WG1540146</a> |

## 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        | 09/11/2020 12:38     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.9         |           |           | 77.0-120  |          | 09/11/2020 12:38     | <a href="#">WG1541325</a> |

## 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        | 09/11/2020 20:07     | <a href="#">WG1540685</a> |
| Toluene                   | U            |           | 0.00134   | 0.00517   | 1        | 09/11/2020 20:07     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U            |           | 0.000762  | 0.00258   | 1        | 09/11/2020 20:07     | <a href="#">WG1540685</a> |
| Total Xylenes             | U            |           | 0.000910  | 0.00672   | 1        | 09/11/2020 20:07     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 101          |           |           | 75.0-131  |          | 09/11/2020 20:07     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 91.4         |           |           | 67.0-138  |          | 09/11/2020 20:07     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 96.8         |           |           | 70.0-130  |          | 09/11/2020 20:07     | <a href="#">WG1540685</a> |

## 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 | 3.23         | <u>J</u>  | 1.64      | 4.07      | 1        | 09/15/2020 00:35     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 12.2         | <u>B</u>  | 0.279     | 4.07      | 1        | 09/15/2020 00:35     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 73.0         |           |           | 18.0-148  |          | 09/15/2020 00:35     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.1   |           | 1        | 09/15/2020 11:24     | <a href="#">WG1542197</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 674          |           | 9.47      | 20.6      | 1        | 09/10/2020 08:00     | <a href="#">WG1540146</a> |

## 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            |           | 0.0223    | 0.103     | 1        | 09/11/2020 12:59     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104          |           |           | 77.0-120  |          | 09/11/2020 12:59     | <a href="#">WG1541325</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000495  | 0.00106   | 1        | 09/11/2020 20:26     | <a href="#">WG1540685</a> |
| Toluene                   | U            |           | 0.00138   | 0.00530   | 1        | 09/11/2020 20:26     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U            |           | 0.000781  | 0.00265   | 1        | 09/11/2020 20:26     | <a href="#">WG1540685</a> |
| Total Xylenes             | U            |           | 0.000932  | 0.00689   | 1        | 09/11/2020 20:26     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 102          |           |           | 75.0-131  |          | 09/11/2020 20:26     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 91.9         |           |           | 67.0-138  |          | 09/11/2020 20:26     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 101          |           |           | 70.0-130  |          | 09/11/2020 20:26     | <a href="#">WG1540685</a> |

## 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 | 2.35         | <u>J</u>  | 1.66      | 4.12      | 1        | 09/15/2020 00:22     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 7.98         | <u>B</u>  | 0.282     | 4.12      | 1        | 09/15/2020 00:22     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 75.5         |           |           | 18.0-148  |          | 09/15/2020 00:22     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.7   |           | 1        | 09/15/2020 11:24     | <a href="#">WG1542197</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 238          |           | 9.42      | 20.5      | 1        | 09/10/2020 08:09     | <a href="#">WG1540146</a> |

## 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        | 09/11/2020 13:19     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104          |           |           | 77.0-120  |          | 09/11/2020 13:19     | <a href="#">WG1541325</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000489  | 0.00105   | 1        | 09/11/2020 20:45     | <a href="#">WG1540685</a> |
| Toluene                   | U            |           | 0.00136   | 0.00524   | 1        | 09/11/2020 20:45     | <a href="#">WG1540685</a> |
| Ethylbenzene              | U            |           | 0.000772  | 0.00262   | 1        | 09/11/2020 20:45     | <a href="#">WG1540685</a> |
| Total Xylenes             | U            |           | 0.000922  | 0.00681   | 1        | 09/11/2020 20:45     | <a href="#">WG1540685</a> |
| (S) Toluene-d8            | 101          |           |           | 75.0-131  |          | 09/11/2020 20:45     | <a href="#">WG1540685</a> |
| (S) 4-Bromofluorobenzene  | 92.5         |           |           | 67.0-138  |          | 09/11/2020 20:45     | <a href="#">WG1540685</a> |
| (S) 1,2-Dichloroethane-d4 | 85.8         |           |           | 70.0-130  |          | 09/11/2020 20:45     | <a href="#">WG1540685</a> |

## 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            |           | 1.65      | 4.10      | 1        | 09/14/2020 22:38     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | U            |           | 0.281     | 4.10      | 1        | 09/14/2020 22:38     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 71.5         |           |           | 18.0-148  |          | 09/14/2020 22:38     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.1   |           | 1        | 09/15/2020 11:24     | <a href="#">WG1542197</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | mg/kg        |           | mg/kg     | mg/kg     |          |                      |                           |
| Chloride | 45.7         |           | 9.78      | 21.3      | 1        | 09/10/2020 08:38     | <a href="#">WG1540146</a> |

## 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       | mg/kg        |           | mg/kg     | mg/kg     |          |                      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0231    | 0.106     | 1        | 09/11/2020 13:40     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 105          |           |           | 77.0-120  |          | 09/11/2020 13:40     | <a href="#">WG1541325</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | mg/kg        |           | mg/kg     | mg/kg     |          |                      |                           |
| Benzene                   | 0.000816     | J         | 0.000526  | 0.00113   | 1        | 09/15/2020 17:25     | <a href="#">WG1543443</a> |
| Toluene                   | U            |           | 0.00146   | 0.00563   | 1        | 09/15/2020 17:25     | <a href="#">WG1543443</a> |
| Ethylbenzene              | 0.00129      | J         | 0.000830  | 0.00281   | 1        | 09/15/2020 17:25     | <a href="#">WG1543443</a> |
| Total Xylenes             | 0.00315      | J         | 0.000991  | 0.00732   | 1        | 09/15/2020 17:25     | <a href="#">WG1543443</a> |
| (S) Toluene-d8            | 99.1         |           |           | 75.0-131  |          | 09/15/2020 17:25     | <a href="#">WG1543443</a> |
| (S) 4-Bromofluorobenzene  | 94.4         |           |           | 67.0-138  |          | 09/15/2020 17:25     | <a href="#">WG1543443</a> |
| (S) 1,2-Dichloroethane-d4 | 105          |           |           | 70.0-130  |          | 09/15/2020 17:25     | <a href="#">WG1543443</a> |

## 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 | mg/kg        |           | mg/kg     | mg/kg     |          |                      |                           |
| C10-C28 Diesel Range | U            |           | 1.71      | 4.25      | 1        | 09/14/2020 22:51     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | U            |           | 0.291     | 4.25      | 1        | 09/14/2020 22:51     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 74.8         |           |           | 18.0-148  |          | 09/14/2020 22:51     | <a href="#">WG1542344</a> |



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 98.3   |           | 1        | 09/15/2020 11:24 | <a href="#">WG1542197</a> |

## 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 | 41.0         |           | 9.36      | 20.3      | 1        | 09/10/2020 08:47 | <a href="#">WG1540146</a> |

## 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        | 09/11/2020 14:01 | <a href="#">WG1541325</a> |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 103          |           |           | 77.0-120  |          | 09/11/2020 14:01 | <a href="#">WG1541325</a> |

## 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        | 09/12/2020 15:09 | <a href="#">WG1541911</a> |
| Toluene                   | 0.00569      |           | 0.00134   | 0.00517   | 1        | 09/15/2020 03:44 | <a href="#">WG1542933</a> |
| Ethylbenzene              | U            |           | 0.000762  | 0.00259   | 1        | 09/15/2020 03:44 | <a href="#">WG1542933</a> |
| Total Xylenes             | 0.00152      | J         | 0.000910  | 0.00672   | 1        | 09/15/2020 03:44 | <a href="#">WG1542933</a> |
| (S) Toluene-d8            | 111          |           |           | 75.0-131  |          | 09/12/2020 15:09 | <a href="#">WG1541911</a> |
| (S) Toluene-d8            | 100          |           |           | 75.0-131  |          | 09/15/2020 03:44 | <a href="#">WG1542933</a> |
| (S) 4-Bromofluorobenzene  | 104          |           |           | 67.0-138  |          | 09/12/2020 15:09 | <a href="#">WG1541911</a> |
| (S) 4-Bromofluorobenzene  | 93.5         |           |           | 67.0-138  |          | 09/15/2020 03:44 | <a href="#">WG1542933</a> |
| (S) 1,2-Dichloroethane-d4 | 88.3         |           |           | 70.0-130  |          | 09/12/2020 15:09 | <a href="#">WG1541911</a> |
| (S) 1,2-Dichloroethane-d4 | 104          |           |           | 70.0-130  |          | 09/15/2020 03:44 | <a href="#">WG1542933</a> |

## 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 | 7.29         |           | 1.64      | 4.07      | 1        | 09/14/2020 23:56 | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 16.9         | B         | 0.279     | 4.07      | 1        | 09/14/2020 23:56 | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 78.0         |           |           | 18.0-148  |          | 09/14/2020 23:56 | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.8   |           | 1        | 09/15/2020 11:24 | <a href="#">WG1542197</a> |

## 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 | 513          |           | 9.41      | 20.5      | 1        | 09/10/2020 08:57 | <a href="#">WG1540146</a> |

## 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            |           | 0.0222    | 0.102     | 1        | 09/11/2020 14:22 | <a href="#">WG1541325</a> |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 103          |           |           | 77.0-120  |          | 09/11/2020 14:22 | <a href="#">WG1541325</a> |

## 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            |           | 0.000488  | 0.00105   | 1        | 09/12/2020 15:29 | <a href="#">WG1541911</a> |
| Toluene                   | U            |           | 0.00136   | 0.00523   | 1        | 09/12/2020 15:29 | <a href="#">WG1541911</a> |
| Ethylbenzene              | U            |           | 0.000771  | 0.00261   | 1        | 09/12/2020 15:29 | <a href="#">WG1541911</a> |
| Total Xylenes             | 0.00202      | J         | 0.000920  | 0.00680   | 1        | 09/15/2020 02:28 | <a href="#">WG1542933</a> |
| (S) Toluene-d8            | 110          |           |           | 75.0-131  |          | 09/12/2020 15:29 | <a href="#">WG1541911</a> |
| (S) Toluene-d8            | 100          |           |           | 75.0-131  |          | 09/15/2020 02:28 | <a href="#">WG1542933</a> |
| (S) 4-Bromofluorobenzene  | 102          |           |           | 67.0-138  |          | 09/12/2020 15:29 | <a href="#">WG1541911</a> |
| (S) 4-Bromofluorobenzene  | 91.1         |           |           | 67.0-138  |          | 09/15/2020 02:28 | <a href="#">WG1542933</a> |
| (S) 1,2-Dichloroethane-d4 | 90.4         |           |           | 70.0-130  |          | 09/12/2020 15:29 | <a href="#">WG1541911</a> |
| (S) 1,2-Dichloroethane-d4 | 104          |           |           | 70.0-130  |          | 09/15/2020 02:28 | <a href="#">WG1542933</a> |

## 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 | 1.77         | J         | 1.65      | 4.09      | 1        | 09/14/2020 23:04 | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 6.37         | B         | 0.280     | 4.09      | 1        | 09/14/2020 23:04 | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 72.6         |           |           | 18.0-148  |          | 09/14/2020 23:04 | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.2   |           | 1        | 09/15/2020 11:24     | <a href="#">WG1542197</a> |

## 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 | 459                |           | 9.47            | 20.6            | 1        | 09/10/2020 09:06     | <a href="#">WG1540146</a> |

## 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        | 09/11/2020 14:42     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 103                |           |                 | 77.0-120        |          | 09/11/2020 14:42     | <a href="#">WG1541325</a> |

## 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                  |           | 0.000494        | 0.00106         | 1        | 09/15/2020 17:44     | <a href="#">WG1543443</a> |
| Toluene                   | U                  |           | 0.00138         | 0.00529         | 1        | 09/15/2020 17:44     | <a href="#">WG1543443</a> |
| Ethylbenzene              | U                  |           | 0.000780        | 0.00265         | 1        | 09/15/2020 17:44     | <a href="#">WG1543443</a> |
| Total Xylenes             | 0.00212            | J         | 0.000931        | 0.00688         | 1        | 09/15/2020 17:44     | <a href="#">WG1543443</a> |
| (S) Toluene-d8            | 99.2               |           |                 | 75.0-131        |          | 09/15/2020 17:44     | <a href="#">WG1543443</a> |
| (S) 4-Bromofluorobenzene  | 93.1               |           |                 | 67.0-138        |          | 09/15/2020 17:44     | <a href="#">WG1543443</a> |
| (S) 1,2-Dichloroethane-d4 | 103                |           |                 | 70.0-130        |          | 09/15/2020 17:44     | <a href="#">WG1543443</a> |

## 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        | 09/14/2020 23:17     | <a href="#">WG1542344</a> |
| C28-C40 Oil Range    | 1.36               | B J       | 0.282           | 4.12            | 1        | 09/14/2020 23:17     | <a href="#">WG1542344</a> |
| (S) o-Terphenyl      | 69.9               |           |                 | 18.0-148        |          | 09/14/2020 23:17     | <a href="#">WG1542344</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.5   |           | 1        | 09/15/2020 13:28     | <a href="#">WG1542198</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 296          |           | 9.44      | 20.5      | 1        | 09/10/2020 09:16     | <a href="#">WG1540146</a> |

## 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            |           | 0.0223    | 0.103     | 1        | 09/11/2020 15:03     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 108          |           |           | 77.0-120  |          | 09/11/2020 15:03     | <a href="#">WG1541325</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000491  | 0.00105   | 1        | 09/10/2020 17:15     | <a href="#">WG1540981</a> |
| Toluene                   | U            |           | 0.00137   | 0.00526   | 1        | 09/10/2020 17:15     | <a href="#">WG1540981</a> |
| Ethylbenzene              | U            |           | 0.000775  | 0.00263   | 1        | 09/10/2020 17:15     | <a href="#">WG1540981</a> |
| Total Xylenes             | U            |           | 0.000925  | 0.00683   | 1        | 09/10/2020 17:15     | <a href="#">WG1540981</a> |
| (S) Toluene-d8            | 99.6         |           |           | 75.0-131  |          | 09/10/2020 17:15     | <a href="#">WG1540981</a> |
| (S) 4-Bromofluorobenzene  | 94.2         |           |           | 67.0-138  |          | 09/10/2020 17:15     | <a href="#">WG1540981</a> |
| (S) 1,2-Dichloroethane-d4 | 105          |           |           | 70.0-130  |          | 09/10/2020 17:15     | <a href="#">WG1540981</a> |

## 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            |           | 1.65      | 4.10      | 1        | 09/15/2020 21:33     | <a href="#">WG1542522</a> |
| C28-C40 Oil Range    | 0.498        | J         | 0.281     | 4.10      | 1        | 09/15/2020 21:33     | <a href="#">WG1542522</a> |
| (S) o-Terphenyl      | 80.4         |           |           | 18.0-148  |          | 09/15/2020 21:33     | <a href="#">WG1542522</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.8   |           | 1        | 09/15/2020 13:28     | <a href="#">WG1542198</a> |

## 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 | 112                |           | 9.41            | 20.5            | 1        | 09/10/2020 20:46     | <a href="#">WG1540149</a> |

## 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       | 0.0584             | J         | 0.0222          | 0.102           | 1        | 09/11/2020 15:24     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101                |           |                 | 77.0-120        |          | 09/11/2020 15:24     | <a href="#">WG1541325</a> |

## 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        | 0.00105         | 1        | 09/10/2020 17:34     | <a href="#">WG1540981</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00523         | 1        | 09/10/2020 17:34     | <a href="#">WG1540981</a> |
| Ethylbenzene              | U                  |           | 0.000771        | 0.00261         | 1        | 09/10/2020 17:34     | <a href="#">WG1540981</a> |
| Total Xylenes             | U                  |           | 0.000920        | 0.00680         | 1        | 09/10/2020 17:34     | <a href="#">WG1540981</a> |
| (S) Toluene-d8            | 101                |           |                 | 75.0-131        |          | 09/10/2020 17:34     | <a href="#">WG1540981</a> |
| (S) 4-Bromofluorobenzene  | 95.1               |           |                 | 67.0-138        |          | 09/10/2020 17:34     | <a href="#">WG1540981</a> |
| (S) 1,2-Dichloroethane-d4 | 105                |           |                 | 70.0-130        |          | 09/10/2020 17:34     | <a href="#">WG1540981</a> |

## 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 | 10.4               |           | 1.65            | 4.09            | 1        | 09/15/2020 23:51     | <a href="#">WG1542522</a> |
| C28-C40 Oil Range    | 38.8               |           | 0.280           | 4.09            | 1        | 09/15/2020 23:51     | <a href="#">WG1542522</a> |
| (S) o-Terphenyl      | 80.5               |           |                 | 18.0-148        |          | 09/15/2020 23:51     | <a href="#">WG1542522</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.4   |           | 1        | 09/15/2020 13:28     | <a href="#">WG1542198</a> |

## 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 | 457                |           | 9.45            | 20.5            | 1        | 09/10/2020 20:55     | <a href="#">WG1540149</a> |

## 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        | 09/11/2020 15:45     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 105                |           |                 | 77.0-120        |          | 09/11/2020 15:45     | <a href="#">WG1541325</a> |

## 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                  |           | 0.000492        | 0.00105         | 1        | 09/10/2020 17:53     | <a href="#">WG1540981</a> |
| Toluene                   | U                  |           | 0.00137         | 0.00527         | 1        | 09/10/2020 17:53     | <a href="#">WG1540981</a> |
| Ethylbenzene              | U                  |           | 0.000777        | 0.00264         | 1        | 09/10/2020 17:53     | <a href="#">WG1540981</a> |
| Total Xylenes             | U                  |           | 0.000928        | 0.00685         | 1        | 09/10/2020 17:53     | <a href="#">WG1540981</a> |
| (S) Toluene-d8            | 101                |           |                 | 75.0-131        |          | 09/10/2020 17:53     | <a href="#">WG1540981</a> |
| (S) 4-Bromofluorobenzene  | 92.4               |           |                 | 67.0-138        |          | 09/10/2020 17:53     | <a href="#">WG1540981</a> |
| (S) 1,2-Dichloroethane-d4 | 105                |           |                 | 70.0-130        |          | 09/10/2020 17:53     | <a href="#">WG1540981</a> |

## 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 | 3.22               | J         | 1.65            | 4.11            | 1        | 09/15/2020 21:46     | <a href="#">WG1542522</a> |
| C28-C40 Oil Range    | 5.43               |           | 0.281           | 4.11            | 1        | 09/15/2020 21:46     | <a href="#">WG1542522</a> |
| (S) o-Terphenyl      | 89.2               |           |                 | 18.0-148        |          | 09/15/2020 21:46     | <a href="#">WG1542522</a> |



Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.7   |           | 1        | 09/15/2020 13:28     | <a href="#">WG1542198</a> |

## 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        | 09/10/2020 21:05     | <a href="#">WG1540149</a> |

## 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        | 09/11/2020 16:06     | <a href="#">WG1541325</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 105                |           |                 | 77.0-120        |          | 09/11/2020 16:06     | <a href="#">WG1541325</a> |

## 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        | 09/10/2020 18:12     | <a href="#">WG1540981</a> |
| Toluene                   | U                  |           | 0.00142         | 0.00545         | 1        | 09/10/2020 18:12     | <a href="#">WG1540981</a> |
| Ethylbenzene              | U                  |           | 0.000804        | 0.00273         | 1        | 09/10/2020 18:12     | <a href="#">WG1540981</a> |
| Total Xylenes             | U                  |           | 0.000959        | 0.00709         | 1        | 09/10/2020 18:12     | <a href="#">WG1540981</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 09/10/2020 18:12     | <a href="#">WG1540981</a> |
| (S) 4-Bromofluorobenzene  | 94.6               |           |                 | 67.0-138        |          | 09/10/2020 18:12     | <a href="#">WG1540981</a> |
| (S) 1,2-Dichloroethane-d4 | 100                |           |                 | 70.0-130        |          | 09/10/2020 18:12     | <a href="#">WG1540981</a> |

## 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        | 09/15/2020 21:58     | <a href="#">WG1542522</a> |
| C28-C40 Oil Range    | 0.363              | J         | 0.286           | 4.18            | 1        | 09/15/2020 21:58     | <a href="#">WG1542522</a> |
| (S) o-Terphenyl      | 81.3               |           |                 | 18.0-148        |          | 09/15/2020 21:58     | <a href="#">WG1542522</a> |

Collected date/time: 09/02/20 00:00

L1258582

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.2   |           | 1        | 09/15/2020 13:28     | <a href="#">WG1542198</a> |

## 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 | 15.7               | J         | 9.28            | 20.2            | 1        | 09/10/2020 21:14     | <a href="#">WG1540149</a> |

## 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        | 09/11/2020 14:34     | <a href="#">WG1541470</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.3               |           |                 | 77.0-120        |          | 09/11/2020 14:34     | <a href="#">WG1541470</a> |

## 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        | 09/10/2020 18:31     | <a href="#">WG1540981</a> |
| Toluene                   | U                  |           | 0.00132         | 0.00508         | 1        | 09/10/2020 18:31     | <a href="#">WG1540981</a> |
| Ethylbenzene              | U                  |           | 0.000749        | 0.00254         | 1        | 09/10/2020 18:31     | <a href="#">WG1540981</a> |
| Total Xylenes             | U                  |           | 0.000895        | 0.00661         | 1        | 09/10/2020 18:31     | <a href="#">WG1540981</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 09/10/2020 18:31     | <a href="#">WG1540981</a> |
| (S) 4-Bromofluorobenzene  | 96.1               |           |                 | 67.0-138        |          | 09/10/2020 18:31     | <a href="#">WG1540981</a> |
| (S) 1,2-Dichloroethane-d4 | 98.3               |           |                 | 70.0-130        |          | 09/10/2020 18:31     | <a href="#">WG1540981</a> |

## 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        | 09/15/2020 22:11     | <a href="#">WG1542522</a> |
| C28-C40 Oil Range    | 1.28               | J         | 0.276           | 4.03            | 1        | 09/15/2020 22:11     | <a href="#">WG1542522</a> |
| (S) o-Terphenyl      | 84.6               |           |                 | 18.0-148        |          | 09/15/2020 22:11     | <a href="#">WG1542522</a> |

Method Blank (MB)

(MB) R3570991-1 09/15/20 08:40

|              | MB Result | <u>MB Qualifier</u> | MB MDL | MB RDL |
|--------------|-----------|---------------------|--------|--------|
| Analyte      | %         |                     | %      | %      |
| Total Solids | 0.00100   |                     |        |        |

L1258582-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1258582-02 09/15/20 08:40 • (DUP) R3570991-3 09/15/20 08:40

|              | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte      | %               | %          |          | %       |                      | %              |
| Total Solids | 97.0            | 97.0       | 1        | 0.0787  |                      | 10             |

Laboratory Control Sample (LCS)

(LCS) R3570991-2 09/15/20 08:40

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

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Total Solids by Method 2540 G-2011

[L1258582-10,11,12,13,14,15,16,17,18,19](#)

Method Blank (MB)

(MB) R3570988-1 09/15/20 08:30

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

L1258582-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1258582-10 09/15/20 08:30 • (DUP) R3570988-3 09/15/20 08:30

| Analyte      | Original Result<br>% | DUP Result<br>% | Dilution | DUP RPD<br>% | DUP RPD<br>Limits |
|--------------|----------------------|-----------------|----------|--------------|-------------------|
| Total Solids | 80.5                 | 80.4            | 1        | 0.193        | 10                |

Laboratory Control Sample (LCS)

(LCS) R3570988-2 09/15/20 08:30

| Analyte      | Spike Amount<br>% | LCS Result<br>% | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|--------------|-------------------|-----------------|---------------|------------------|---------------|
| Total Solids | 50.0              | 49.9            | 99.9          | 85.0-115         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1258582-20,21,22,23,24,25,26,27,28,29](#)

Method Blank (MB)

(MB) R3570984-1 09/15/20 07:42

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

L1258582-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1258582-24 09/15/20 07:42 • (DUP) R3570984-3 09/15/20 07:42

| Analyte      | Original Result<br>% | DUP Result<br>% | Dilution | DUP RPD<br>% | <u>DUP Qualifier</u> | DUP RPD<br>Limits |
|--------------|----------------------|-----------------|----------|--------------|----------------------|-------------------|
| Total Solids | 93.3                 | 93.2            | 1        | 0.0879       |                      | 10                |

Laboratory Control Sample (LCS)

(LCS) R3570984-2 09/15/20 07:42

| Analyte      | Spike Amount<br>% | LCS Result<br>% | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|--------------|-------------------|-----------------|---------------|------------------|----------------------|
| Total Solids | 50.0              | 50.0            | 99.9          | 85.0-115         |                      |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1258582-30,31,32,33,34,35,36,37,38,39](#)

Method Blank (MB)

(MB) R3571028-1 09/15/20 11:24

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

L1258582-35 Original Sample (OS) • Duplicate (DUP)

(OS) L1258582-35 09/15/20 11:24 • (DUP) R3571028-3 09/15/20 11:24

| Analyte      | Original Result<br>% | DUP Result<br>% | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits |
|--------------|----------------------|-----------------|----------|--------------|---------------|-------------------|
| Total Solids | 97.7                 | 97.7            | 1        | 0.0466       |               | 10                |

Laboratory Control Sample (LCS)

(LCS) R3571028-2 09/15/20 11:24

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1258582-40,41,42,43,44](#)

Method Blank (MB)

(MB) R3571041-1 09/15/20 13:28

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

L1258620-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1258620-01 09/15/20 13:28 • (DUP) R3571041-3 09/15/20 13:28

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 77.9            | 77.7       | 1        | 0.221   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3571041-2 09/15/20 13:28

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
|              | %            | %          | %        | %           |               |
| 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

L1258582-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R3568893-1 09/10/20 00:22

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

L1258582-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1258582-02 09/10/20 01:22 • (DUP) R3568893-3 09/10/20 01:37

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 775                               | 755                          | 1        | 2.52         |               | 20                     |

L1258582-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1258582-20 09/10/20 07:49 • (DUP) R3568893-6 09/10/20 08:04

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 453                               | 456                          | 1        | 0.779        |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3568893-2 09/10/20 00:37

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 197                 | 98.6          | 90.0-110         |               |

L1258582-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258582-11 09/10/20 04:21 • (MS) R3568893-4 09/10/20 04:36 • (MSD) R3568893-5 09/10/20 04:51

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 527                            | 955                               | 1590                     | 1610                         | 120          | 124           | 1        | 80.0-120         | E            | E J5          | 1.43     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 300.0

[L1258582-21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40](#)

## Method Blank (MB)

(MB) R3568876-1 09/10/20 04:40

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

## L1258582-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1258582-21 09/10/20 05:08 • (DUP) R3568876-3 09/10/20 05:18

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | <u>DUP Qualifier</u> | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|----------------------|------------------------|
| Chloride | 580                               | 582                          | 1        | 0.288        |                      | 20                     |

## L1258582-40 Original Sample (OS) • Duplicate (DUP)

(OS) L1258582-40 09/10/20 09:16 • (DUP) R3568876-6 09/10/20 09:25

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | <u>DUP Qualifier</u> | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|----------------------|------------------------|
| Chloride | 296                               | 300                          | 1        | 1.13         |                      | 20                     |

## Laboratory Control Sample (LCS)

(LCS) R3568876-2 09/10/20 04:49

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | <u>LCS Qualifier</u> |
|----------|-----------------------|---------------------|---------------|------------------|----------------------|
| Chloride | 200                   | 213                 | 106           | 90.0-110         |                      |

## L1258582-32 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258582-32 09/10/20 07:22 • (MS) R3568876-4 09/10/20 07:31 • (MSD) R3568876-5 09/10/20 07:41

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|---------------------|----------------------|----------|-----------------|
| Chloride | 529                            | 128                               | 666                      | 675                          | 102          | 103           | 1        | 80.0-120         |                     |                      | 1.23     | 20              |

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

Wet Chemistry by Method 300.0

[L1258582-41,42,43,44](#)

Method Blank (MB)

(MB) R3569331-1 09/10/20 18:17

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

L1258570-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1258570-21 09/10/20 18:52 • (DUP) R3569331-3 09/10/20 19:01

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 85.2                              | 105                          | 1        | 20.9         | <u>J3</u>     | 20                     |

L1258795-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1258795-07 09/10/20 22:40 • (DUP) R3569331-6 09/10/20 22:50

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

Laboratory Control Sample (LCS)

(LCS) R3569331-2 09/10/20 18:26

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 212                 | 106           | 90.0-110         |               |

L1258570-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258570-23 09/10/20 19:20 • (MS) R3569331-4 09/10/20 19:30 • (MSD) R3569331-5 09/10/20 19:39

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 531                            | 14.3                              | 546                      | 536                          | 100          | 98.2          | 1        | 80.0-120         |              |               | 1.87     | 20              |

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

L1258582-01,02,03,04,05,06,07,08,09

Method Blank (MB)

(MB) R3570434-2 09/11/20 00:07

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 101                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3570434-1 09/10/20 23:22

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.68                | 103           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 104           | 77.0-120         |               |

L1258570-28 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258570-28 09/11/20 02:13 • (MS) R3570434-3 09/11/20 09:07 • (MSD) R3570434-4 09/11/20 09:41

| Analyte                            | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5.66                           | U                                 | 2.35                     | 2.17                         | 41.5         | 38.3          | 1        | 10.0-151         |              |               | 7.82     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                                |                                   |                          |                              | 100          | 99.4          |          | 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

L1258582-10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25,26,27,28,29

Method Blank (MB)

(MB) R3570721-2 09/11/20 01:57

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0247             | ⌵            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 92.2               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3570721-1 09/11/20 01:02

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.57                | 101           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 106           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3569479-3 09/11/20 09:46

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 109                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3569479-2 09/11/20 09:04

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.94                | 108           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 102           | 77.0-120         |               |

L1259071-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1259071-01 09/11/20 16:26 • (MS) R3569479-6 09/11/20 18:52 • (MSD) R3569479-7 09/11/20 19:12

| Analyte                            | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | U                        | 4.78               | 4.21                | 86.9         | 76.5          | 1        | 10.0-151         |              |               | 12.7     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                          |                    |                     | 95.4         | 95.9          |          | 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) R3569747-2 09/11/20 12:14

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0317             | ⬇            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 95.8               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3569747-1 09/11/20 11:28

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 6.00                | 109           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 106           | 77.0-120         |               |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc



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

L1258582-01,02,03,04,05,06,07,08,09,10,11

Method Blank (MB)

(MB) R3570225-3 09/10/20 04:16

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000467        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | U                  |              | 0.00130         | 0.00500         |
| (S) Toluene-d8            | 99.4               |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 102                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 81.7               |              |                 | 70.0-130        |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

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

(LCS) R3570225-1 09/10/20 02:54 • (LCSD) R3570225-2 09/10/20 03:15

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.125                 | 0.166               | 0.168                | 133           | 134            | 70.0-123         | J4            | J4             | 1.20     | 20              |
| Ethylbenzene              | 0.125                 | 0.148               | 0.149                | 118           | 119            | 74.0-126         |               |                | 0.673    | 20              |
| Toluene                   | 0.125                 | 0.142               | 0.141                | 114           | 113            | 75.0-121         |               |                | 0.707    | 20              |
| (S) Toluene-d8            |                       |                     |                      | 96.5          | 96.7           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 104           | 107            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 91.8          | 94.4           | 70.0-130         |               |                |          |                 |

6 Qc

7 Gl

8 Al

9 Sc

L1258350-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258350-02 09/10/20 05:52 • (MS) R3570225-4 09/10/20 12:38 • (MSD) R3570225-5 09/10/20 12:59

| Analyte                   | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.185                          | U                                 | 0.209                    | 0.222                        | 113          | 120           | 1        | 10.0-149         |              |               | 6.23     | 37              |
| Ethylbenzene              | 0.185                          | U                                 | 0.182                    | 0.204                        | 98.4         | 110           | 1        | 10.0-160         |              |               | 11.6     | 38              |
| Toluene                   | 0.185                          | U                                 | 0.186                    | 0.194                        | 101          | 105           | 1        | 10.0-156         |              |               | 3.92     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 99.9         | 98.6          |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 99.7         | 103           |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 87.1         | 87.0          |          | 70.0-130         |              |               |          |                 |

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

[L1258582-12,13,14,15,16,17,18,19,20](#)

## Method Blank (MB)

(MB) R3569317-3 09/10/20 11:10

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>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            | 104                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 108                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 103                |              |                 | 70.0-130        |

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

(LCS) R3569317-1 09/10/20 09:55 • (LCSD) R3569317-2 09/10/20 10:14

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.125                 | 0.147               | 0.147                | 118           | 118            | 70.0-123         |               |                | 0.000    | 20              |
| Ethylbenzene              | 0.125                 | 0.130               | 0.132                | 104           | 106            | 74.0-126         |               |                | 1.53     | 20              |
| Toluene                   | 0.125                 | 0.137               | 0.137                | 110           | 110            | 75.0-121         |               |                | 0.000    | 20              |
| Xylenes, Total            | 0.375                 | 0.425               | 0.429                | 113           | 114            | 72.0-127         |               |                | 0.937    | 20              |
| (S) Toluene-d8            |                       |                     |                      | 103           | 102            | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 104           | 108            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 106           | 107            | 70.0-130         |               |                |          |                 |

## L1258582-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258582-20 09/10/20 15:28 • (MS) R3569317-4 09/10/20 18:54 • (MSD) R3569317-5 09/10/20 19:13

| Analyte                   | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.134                          | U                                 | 0.135                    | 0.0681                       | 101          | 51.0          | 1        | 10.0-149         |              | J3            | 65.7     | 37              |
| Ethylbenzene              | 0.134                          | U                                 | 0.128                    | 0.0609                       | 96.0         | 45.6          | 1        | 10.0-160         |              | J3            | 71.2     | 38              |
| Toluene                   | 0.134                          | U                                 | 0.124                    | 0.0591                       | 92.7         | 44.3          | 1        | 10.0-156         |              | J3            | 70.7     | 38              |
| Xylenes, Total            | 0.401                          | U                                 | 0.416                    | 0.210                        | 104          | 52.4          | 1        | 10.0-160         |              | J3            | 65.7     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 100          | 98.9          |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 110          | 106           |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 108          | 110           |          | 70.0-130         |              |               |          |                 |

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

Method Blank (MB)

(MB) R3569516-2 09/11/20 10:38

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>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            | 99.6               |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 90.3               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 97.2               |              |                 | 70.0-130        |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3569516-1 09/11/20 09:40

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.113               | 90.4          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.115               | 92.0          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.110               | 88.0          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.344               | 91.7          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 97.8          | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 94.8          | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 105           | 70.0-130         |               |

Method Blank (MB)

(MB) R3569335-3 09/10/20 10:33

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>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            | 99.2               |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 92.7               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 103                |              |                 | 70.0-130        |

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

(LCS) R3569335-1 09/10/20 09:17 • (LCSD) R3569335-2 09/10/20 09:36

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.125                 | 0.116               | 0.113                | 92.8          | 90.4           | 70.0-123         |               |                | 2.62     | 20              |
| Ethylbenzene              | 0.125                 | 0.116               | 0.118                | 92.8          | 94.4           | 74.0-126         |               |                | 1.71     | 20              |
| Toluene                   | 0.125                 | 0.114               | 0.111                | 91.2          | 88.8           | 75.0-121         |               |                | 2.67     | 20              |
| Xylenes, Total            | 0.375                 | 0.348               | 0.348                | 92.8          | 92.8           | 72.0-127         |               |                | 0.000    | 20              |
| (S) Toluene-d8            |                       |                     |                      | 97.1          | 98.4           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 94.7          | 94.8           | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 108           | 106            | 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) R3570251-3 09/12/20 11:11

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000467        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | U                  |              | 0.00130         | 0.00500         |
| (S) Toluene-d8            | 108                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 103                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 93.8               |              |                 | 70.0-130        |

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

(LCS) R3570251-1 09/12/20 09:51 • (LCSD) R3570251-2 09/12/20 10:11

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.125                 | 0.119               | 0.133                | 95.2          | 106            | 70.0-123         |               |                | 11.1     | 20              |
| Ethylbenzene              | 0.125                 | 0.130               | 0.134                | 104           | 107            | 74.0-126         |               |                | 3.03     | 20              |
| Toluene                   | 0.125                 | 0.124               | 0.134                | 99.2          | 107            | 75.0-121         |               |                | 7.75     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 106           | 108            | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 102           | 107            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 95.6          | 101            | 70.0-130         |               |                |          |                 |

L1258765-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258765-04 09/12/20 13:48 • (MS) R3570251-4 09/12/20 19:28 • (MSD) R3570251-5 09/12/20 19:48

| Analyte                   | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 1.11                           | U                                 | 0.815                    | 0.824                        | 73.6         | 74.3          | 8        | 10.0-149         |              |               | 1.00     | 37              |
| Ethylbenzene              | 1.11                           | 36.5                              | 33.9                     | 33.7                         | 0.000        | 0.000         | 8        | 10.0-160         | E V          | E V           | 0.810    | 38              |
| Toluene                   | 1.11                           | 2.56                              | 3.06                     | 3.16                         | 45.7         | 54.3          | 8        | 10.0-156         |              |               | 3.08     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 103          | 104           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 97.8         | 101           |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 95.8         | 95.8          |          | 70.0-130         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1258582-01,02,03,04,05,06,07,08,09,10,11

Method Blank (MB)

(MB) R3570421-2 09/15/20 01:14

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 99.8               |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 110                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 106                |              |                 | 70.0-130        |

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

(LCS) R3570421-1 09/15/20 00:17 • (LCSD) R3570421-3 09/15/20 07:27

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Xylenes, Total            | 0.375                 | 0.390               | 0.391                | 104           | 104            | 72.0-127         |               |                | 0.256    | 20              |
| (S) Toluene-d8            |                       |                     |                      | 96.8          | 96.8           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 102           | 104            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 113           | 112            | 70.0-130         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3570487-3 09/14/20 23:32

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | U                  |              | 0.00130         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 98.8               |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 91.9               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 107                |              |                 | 70.0-130        |

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

(LCS) R3570487-1 09/14/20 22:15 • (LCSD) R3570487-2 09/14/20 22:35

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Ethylbenzene              | 0.125                 | 0.114               | 0.117                | 91.2          | 93.6           | 74.0-126         |               |                | 2.60     | 20              |
| Toluene                   | 0.125                 | 0.113               | 0.115                | 90.4          | 92.0           | 75.0-121         |               |                | 1.75     | 20              |
| Xylenes, Total            | 0.375                 | 0.339               | 0.321                | 90.4          | 85.6           | 72.0-127         |               |                | 5.45     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 98.4          | 96.9           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 91.8          | 95.0           | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 109           | 110            | 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

[L1258582-36.39](#)

Method Blank (MB)

(MB) R3570855-2 09/15/20 08:33

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>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            | 99.7               |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 91.9               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 102                |              |                 | 70.0-130        |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS)

(LCS) R3570855-1 09/15/20 07:33

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.116               | 92.8          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.115               | 92.0          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.110               | 88.0          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.335               | 89.3          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 96.6          | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 96.4          | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 106           | 70.0-130         |               |

Semi-Volatile Organic Compounds (GC) by Method 8015 L1258582-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19

Method Blank (MB)

(MB) R3570080-1 09/14/20 07:02

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | 0.515              | J            | 0.274           | 4.00            |
| (S) o-Terphenyl      | 75.5               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3570080-2 09/14/20 07:15

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 39.1                | 78.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 60.2          | 18.0-148         |               |

L1258582-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258582-01 09/14/20 13:28 • (MS) R3570080-3 09/14/20 13:40 • (MSD) R3570080-4 09/14/20 13:53

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 50.8                           | 65.1                              | 85.1                     | 121                          | 39.5         | 111           | 1        | 50.0-150         | J6           | J3            | 35.1     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 42.4         | 54.7          |          | 18.0-148         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

[L1258582-20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39](#)

Method Blank (MB)

(MB) R3570379-1 09/14/20 19:35

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | 1.96               | J            | 0.274           | 4.00            |
| (S) o-Terphenyl      | 82.4               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3570379-2 09/14/20 19:48

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 41.3                | 82.6          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 58.1          | 18.0-148         |               |

L1258582-23 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1258582-23 09/14/20 20:41 • (MS) R3570379-3 09/14/20 20:54 • (MSD) R3570379-4 09/14/20 21:07

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 49.7                           | U                                 | 41.4                     | 53.5                         | 83.4         | 108           | 1        | 50.0-150         |              | J3            | 25.4     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 79.7         | 73.0          |          | 18.0-148         |              |               |          |                 |

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 [L1258582-40,41,42,43,44](#)

Method Blank (MB)

(MB) R3570836-1 09/15/20 21:08

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 96.5               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3570836-2 09/15/20 21:20

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 45.0                | 90.0          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 106           | 18.0-148         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

## Guide to Reading and Understanding Your Laboratory Report

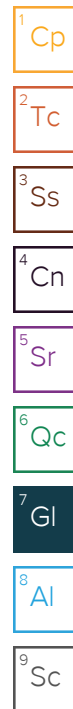
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

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.                                                         |
| J2        | Surrogate recovery limits have been exceeded; values are outside lower control limits.                                                      |
| J3        | The associated batch QC was outside the established quality control range for precision.                                                    |
| J4        | The associated batch QC was outside the established quality control range for accuracy.                                                     |
| J5        | The sample matrix interfered with the ability to make any accurate determination; spike value is high.                                      |
| J6        | The sample matrix interfered with the ability to make any accurate determination; spike value is low.                                       |
| V         | The sample concentration is too high to evaluate accurate spike recoveries.                                                                 |



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* 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 National.

## State Accreditations

|                         |             |                             |                  |
|-------------------------|-------------|-----------------------------|------------------|
| Alabama                 | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                  | 17-026      | Nevada                      | TN-03-2002-34    |
| Arizona                 | AZ0612      | New Hampshire               | 2975             |
| Arkansas                | 88-0469     | New Jersey-NELAP            | TN002            |
| California              | 2932        | New Mexico <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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 <sup>1 6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | LAB0152          |
| Maryland                | 324         | Utah                        | TN00003          |
| Massachusetts           | M-TN003     | Vermont                     | VT2006           |
| Michigan                | 9958        | Virginia                    | 460132           |
| Minnesota               | 047-999-395 | Washington                  | C847             |
| Mississippi             | TN00003     | West Virginia               | 233              |
| Missouri                | 340         | Wisconsin                   | 9980939910       |
| Montana                 | CERT0086    | Wyoming                     | A2LA             |

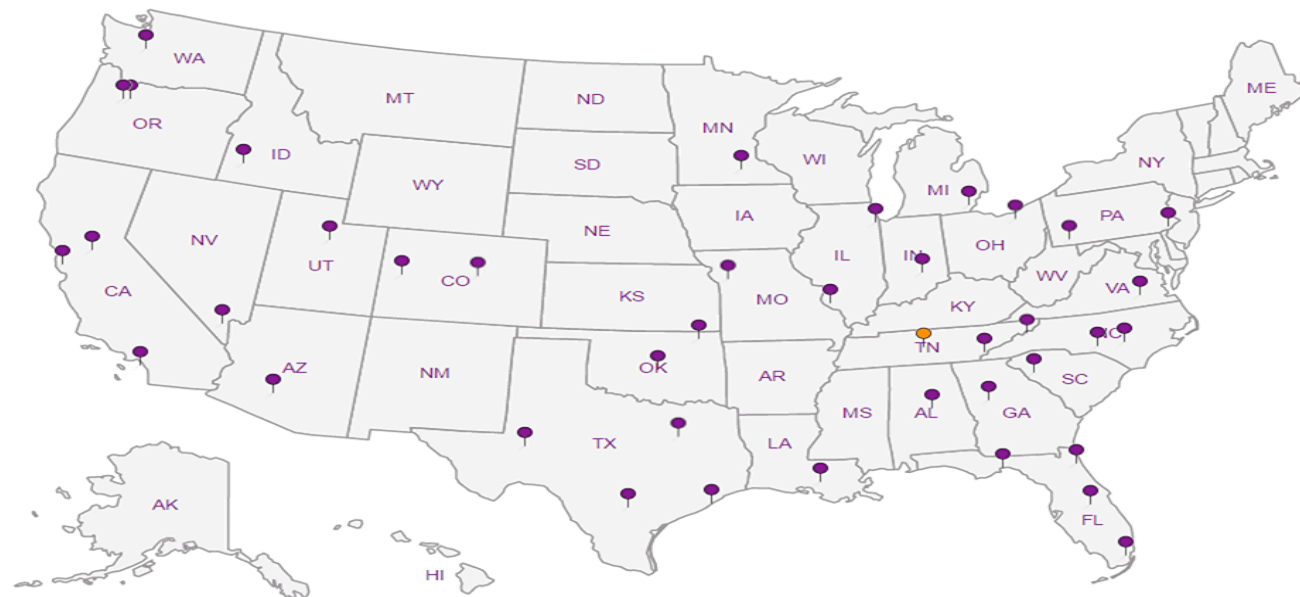
## Third Party Federal Accreditations

|                               |         |                     |               |
|-------------------------------|---------|---------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP, LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                 | 1461.01       |
| Canada                        | 1461.01 | USDA                | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                     |               |

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

## Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.





B077

**Tetra Tech, Inc.**901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

L1268582

|                                             |                                                                          |                           |                                                               |
|---------------------------------------------|--------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|
| <b>Client Name:</b>                         | Conoco Phillips                                                          | <b>Site Manager:</b>      | Christian Llull                                               |
| <b>Project Name:</b>                        | EVGSAU 3308-007                                                          | <b>Contact Info:</b>      | Email: christian.llull@tetratech.com<br>Phone: (512) 338-1667 |
| <b>Project Location:</b><br>(county, state) | Lea County, New Mexico                                                   | <b>Project #:</b>         | 212C-MD-01929                                                 |
| <b>Invoice to:</b>                          | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 |                           |                                                               |
| <b>Receiving Laboratory:</b>                | Pace Analytical                                                          | <b>Sampler Signature:</b> | John Thurston                                                 |

**Comments:** COPTETRA Acctnum**ANALYSIS REQUEST**  
(Circle or Specify Method No.)

| LAB #<br>( LAB USE ONLY ) | SAMPLE IDENTIFICATION | SAMPLING   |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) | BTX 8021B | BTX 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 |  |  |
|---------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|-----------|-----------------|-------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|---------------------------------------------|----------------------|-----------|------|--|--|
|                           |                       | YEAR: 2020 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                |           |                 |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
|                           |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |           |                 |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -01                       | BH-20-3 (1-2)         | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |
| -02                       | BH-20-3 (3-4)         | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |
| -03                       | BH-20-3 (5-6)         | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |
| -04                       | BH-20-3 (7-8)         | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |
| -05                       | BH-20-3 (9-10)        | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |
| -06                       | BH-20-3 (14-15)       | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |
| -07                       | BH-20-4 (1-2)         | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |
| -08                       | BH-20-4 (3-4)         | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |
| -09                       | BH-20-4 (5-6)         | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |
| -10                       | BH-20-4 (7-8)         | 9/2/2020   |      |        | X    |                     |                  | X   |      | 1            | N              | X         |                 | X                       | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | X                    |                                             |                      |           |      |  |  |

|                    |        |       |                    |        |       |
|--------------------|--------|-------|--------------------|--------|-------|
| Relinquished by:   | Date:  | Time: | Received by:       | Date:  | Time: |
| <i>[Signature]</i> | 9-3-20 | 15:30 | <i>[Signature]</i> | 9-3-20 | 15:30 |
| Relinquished by:   | Date:  | Time: | Received by:       | Date:  | Time: |
| <i>[Signature]</i> | 9-3-20 | 16:30 | <i>[Signature]</i> | 9-3-20 | 16:30 |
| Relinquished by:   | Date:  | Time: | Received by:       | Date:  | Time: |
| <i>[Signature]</i> |        |       | <i>[Signature]</i> | 9-4-20 | 9:30  |

**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 #:



## Analysis Request of Chain of Custody Record

Page: 2 of 5



Tetra Tech, Inc.

 901 West Wall Street, Suite 100  
 Midland, Texas 79701  
 Tel (432) 682-4559  
 Fax (432) 682-3946

U1260582

|                                             |                                                                          |                           |                                                                |
|---------------------------------------------|--------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------|
| <b>Client Name:</b>                         | Conoco Phillips                                                          | <b>Site Manager:</b>      | Christian Llull                                                |
| <b>Project Name:</b>                        | EVGSAU 3308-007                                                          | <b>Contact Info:</b>      | Email: christian.llull@tetrattech.com<br>Phone: (512) 338-1667 |
| <b>Project Location:</b><br>(county, state) | Lea County, New Mexico                                                   | <b>Project #:</b>         | 212C-MD-01929                                                  |
| <b>Invoice to:</b>                          | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 |                           |                                                                |
| <b>Receiving Laboratory:</b>                | Pace Analytical                                                          | <b>Sampler Signature:</b> | John Thurston                                                  |

Comments: COPTETRA Acctnum

**ANALYSIS REQUEST**  
 (Circle or Specify Method No.)

| LAB #<br>(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 | 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: 2020 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
|                         |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -11                     | BH-20-4 (9-10)        | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |
| -12                     | BH-20-4 (14-15)       | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |
| -13                     | BH-20-4 (18-19)       | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |
| -14                     | BH-20-4 (19-20)       | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |
| -15                     | BH-20-5 (0-1)         | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |
| -16                     | BH-20-5 (2-3)         | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |
| -17                     | BH-20-5 (4-5)         | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |
| -18                     | BH-20-5 (7-8)         | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |
| -19                     | BH-20-6 (1-2)         | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |
| -20                     | BH-20-6 (3-4)         | 9/2/2020   |      | X      |      |                     | X                |     |      | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |

|                                       |              |             |                                   |              |             |                                                                    |                                                                                                                                                                                                                                                      |
|---------------------------------------|--------------|-------------|-----------------------------------|--------------|-------------|--------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished by: <i>Adrian Davis</i>  | Date: 9/3/20 | Time: 15:30 | Received by: <i>John Thurston</i> | Date: 9/3/20 | Time: 16:30 | <b>LAB USE ONLY</b><br><br>Sample Temperature<br>1.5+1.4.8<br>NMA3 | <b>REMARKS:</b><br><input checked="" type="checkbox"/> Standard<br><input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |
| Relinquished by: <i>John Thurston</i> | Date: 9/3/20 | Time: 16:30 | Received by: <i>John Thurston</i> | Date: 9/3/20 | Time: 16:30 |                                                                    |                                                                                                                                                                                                                                                      |
| Relinquished by: <i>John Thurston</i> | Date: 9/3/20 | Time: 16:30 | Received by: <i>John Thurston</i> | Date: 9/3/20 | Time: 16:30 |                                                                    |                                                                                                                                                                                                                                                      |

ORIGINAL COPY

(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

L1258582

|                                                                                             |                                                                                    |
|---------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------|
| <b>Client Name:</b> Conoco Phillips                                                         | <b>Site Manager:</b> Christian Llull                                               |
| <b>Project Name:</b> EVGSAU 3308-007                                                        | <b>Contact Info:</b> Email: christian.llull@tetratech.com<br>Phone: (512) 338-1667 |
| <b>Project Location:</b> (county, state) Lea County, New Mexico                             | <b>Project #:</b> 212C-MD-01929                                                    |
| <b>Invoice to:</b> Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 |                                                                                    |
| <b>Receiving Laboratory:</b> Pace Analytical                                                | <b>Sampler Signature:</b> John Thurston                                            |
| <b>Comments:</b> COPTETRA Acctnum                                                           |                                                                                    |

**ANALYSIS REQUEST**  
 (Circle or Specify Method No.)

| LAB #<br>(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 - MFO) | 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: 2020 |      | WATER  | SOIL | HCL | HNO3                | ICE | NONE |   |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
|                         |                       | DATE       | TIME |        |      |     |                     |     |      |   |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -21                     | BH-20-6 (5-6)         | 9/2/2020   |      |        | X    |     |                     | X   |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -22                     | BH-20-6 (7-8)         | 9/2/2020   |      |        | X    |     |                     |     | X    |   | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -23                     | BH-20-6 (9-10)        | 9/2/2020   |      |        | X    |     |                     |     | X    |   | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -24                     | BH-20-6 (14-15)       | 9/2/2020   |      |        | X    |     |                     |     | X    |   | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -25                     | BH-20-7 (0-1)         | 9/2/2020   |      |        | X    |     |                     |     | X    |   | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -26                     | BH-20-7 (2-3)         | 9/2/2020   |      |        | X    |     |                     |     | X    |   | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -27                     | BH-20-7 (4-5)         | 9/2/2020   |      |        | X    |     |                     |     | X    |   | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -28                     | BH-20-7 (7-8)         | 9/2/2020   |      |        | X    |     |                     |     | X    |   | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -29                     | BH-20-8 (0-1)         | 9/2/2020   |      |        | X    |     |                     |     | X    |   | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |
| -30                     | BH-20-8 (2-3)         | 9/2/2020   |      |        | X    |     |                     |     | X    |   | 1            | N              | X          | X                |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |

|                                     |               |             |                                 |            |             |                                                                                                                                                                                                                                                          |
|-------------------------------------|---------------|-------------|---------------------------------|------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Relinquished by: <i>Adrian Day</i>  | Date: 9/13/20 | Time: 15:30 | Received by: <i>[Signature]</i> | Date: 9/30 | Time: 15:30 | <b>LAB USE ONLY</b><br><input checked="" type="checkbox"/> Standard<br><input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |
| Relinquished by: <i>[Signature]</i> | Date: 9/30    | Time: 16:30 | Received by: <i>[Signature]</i> | Date: 9/30 | Time: 16:30 |                                                                                                                                                                                                                                                          |
| Relinquished by: <i>[Signature]</i> | Date: 9/30    | Time: 16:30 | Received by: <i>[Signature]</i> | Date: 9/30 | Time: 16:30 |                                                                                                                                                                                                                                                          |

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



Released to Imaging: 3/23/2021 4:38:24 PM



|                                                                                                                                                                                                                                                                                                                                                                                             |                       |            |      |                                                                                                     |       |      |     |                                                                     |     |      |              |                                        |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|------------|------|-----------------------------------------------------------------------------------------------------|-------|------|-----|---------------------------------------------------------------------|-----|------|--------------|----------------------------------------|-----------------------|-------------------------|-----------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|---------|-----|---------------------------------------------|----------------------|-----------|------|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|
| <span style="font-size: 24pt; font-weight: bold; margin-left: 10px;">Tetra Tech, Inc.</span>                                                                                                                                                                                                                                                                                                |                       |            |      | 901 West Wall Street, Suite 100<br>Midland, Texas 79701<br>Tel (432) 682-4559<br>Fax (432) 682-3946 |       |      |     | <span style="font-size: 24pt; font-family: cursive;">L258582</span> |     |      |              |                                        |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Client Name: Conoco Phillips                                                                                                                                                                                                                                                                                                                                                                |                       |            |      | Site Manager: Christian Llull                                                                       |       |      |     | <b>ANALYSIS REQUEST</b><br>(Circle or Specify Method No.)           |     |      |              |                                        |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Name: EVGSAU 3308-007                                                                                                                                                                                                                                                                                                                                                               |                       |            |      | Contact Info: Email: christian.llull@tetratech.com<br>Phone: (512) 338-1667                         |       |      |     |                                                                     |     |      |              |                                        |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Project Location: (county, state) Lea County, New Mexico                                                                                                                                                                                                                                                                                                                                    |                       |            |      | Project #: 212C-MD-01929                                                                            |       |      |     |                                                                     |     |      |              |                                        |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Invoice to: Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701                                                                                                                                                                                                                                                                                                        |                       |            |      |                                                                                                     |       |      |     |                                                                     |     |      |              |                                        |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Receiving Laboratory: Pace Analytical                                                                                                                                                                                                                                                                                                                                                       |                       |            |      | Sampler Signature: John Thurston                                                                    |       |      |     |                                                                     |     |      |              |                                        |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Comments: COPTETRA Acctnum                                                                                                                                                                                                                                                                                                                                                                  |                       |            |      |                                                                                                     |       |      |     |                                                                     |     |      |              |                                        |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| LAB #<br>(LAB USE ONLY)                                                                                                                                                                                                                                                                                                                                                                     | SAMPLE IDENTIFICATION | YEAR: 2020 | DATE | TIME                                                                                                | WATER | SOIL | HCL | HNO <sub>3</sub>                                                    | ICE | NONE | # CONTAINERS | FILTERED (Y/N)                         | BTEX 8021B BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - DRO - 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 | Sulfate | TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -41                                                                                                                                                                                                                                                                                                                                                                                         | BH-20-11 (0-1)        | 9/2/2020   |      |                                                                                                     | X     |      |     | X                                                                   |     |      | 1            | N                                      | X                     | X                       |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -42                                                                                                                                                                                                                                                                                                                                                                                         | BH-20-11 (2-3)        | 9/2/2020   |      |                                                                                                     | X     |      |     | X                                                                   |     |      | 1            | N                                      | X                     | X                       |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -43                                                                                                                                                                                                                                                                                                                                                                                         | BH-20-11 (4-5)        | 9/2/2020   |      |                                                                                                     | X     |      |     | X                                                                   |     |      | 1            | N                                      | X                     | X                       |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| -44                                                                                                                                                                                                                                                                                                                                                                                         | BH-20-11 (7-8)        | 9/2/2020   |      |                                                                                                     | X     |      |     | X                                                                   |     |      | 1            | N                                      | X                     | X                       |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sample Receipt Checklist<br>COC Seal Present/Intact: <u>Y</u> <u>N</u> If Applicable<br>COC Signed/Accurate: <u>Y</u> <u>N</u> VOA Zero Headspace: <u>Y</u> <u>N</u><br>Bottles arrive intact: <u>Y</u> <u>N</u> Pres. Correct/Check: <u>Y</u> <u>N</u><br>Correct bottles used: <u>Y</u> <u>N</u><br>Sufficient volume sent: <u>Y</u> <u>N</u><br>RAD Screen <0.5 mR/hr: <u>Y</u> <u>N</u> |                       |            |      |                                                                                                     |       |      |     |                                                                     |     |      |              |                                        |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by: <u>Adrian Davis</u>                                                                                                                                                                                                                                                                                                                                                        |                       |            |      | Date: <u>9/3/20</u> Time: <u>15:30</u>                                                              |       |      |     | Received by: <u>[Signature]</u>                                     |     |      |              | Date: <u>9.3.20</u> Time: <u>15:30</u> |                       |                         |                                   | <b>LAB USE ONLY</b><br><br>REMARKS:<br><input checked="" type="checkbox"/> Standard<br><br><input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.<br><br><input type="checkbox"/> Rush Charges Authorized<br><br><input type="checkbox"/> Special Report Limits or TRRP Report |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by: <u>[Signature]</u>                                                                                                                                                                                                                                                                                                                                                         |                       |            |      | Date: <u>9.3.20</u> Time: <u>16:30</u>                                                              |       |      |     | Received by: <u>[Signature]</u>                                     |     |      |              | Date: <u>9.3.20</u> Time: <u>16:30</u> |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Relinquished by: <u>[Signature]</u>                                                                                                                                                                                                                                                                                                                                                         |                       |            |      | Date: <u>9.3.20</u> Time: <u>16:30</u>                                                              |       |      |     | Received by: <u>[Signature]</u>                                     |     |      |              | Date: <u>9.3.20</u> Time: <u>16:30</u> |                       |                         |                                   |                                                                                                                                                                                                                                                                                      |                                      |                                     |                |                                               |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| ORIGINAL COPY                                                                                                                                                                                                                                                                                                                                                                               |                       |            |      |                                                                                                     |       |      |     |                                                                     |     |      |              |                                        |                       |                         |                                   | Sample Temperature<br><u>1.7+/-1.8</u><br><u>avg</u>                                                                                                                                                                                                                                 |                                      |                                     |                | (Circle) HAND DELIVERED FEDEX UPS Tracking #: |     |                        |                            |                  |      |                |                |         |     |                                             |                      |           |      |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

FeDEX H: 1822 0713  
-2384/2400

Cont 44.



## ANALYTICAL REPORT

November 23, 2020

**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1285600  
Samples Received: 11/13/2020  
Project Number: 212C-MD-01929  
Description: COP EVGSAU 3308-007

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

Entire Report Reviewed By:

Jason Romer  
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.



|                                                     |    |
|-----------------------------------------------------|----|
| Cp: Cover Page                                      | 1  |
| Tc: Table of Contents                               | 2  |
| Ss: Sample Summary                                  | 3  |
| Cn: Case Narrative                                  | 4  |
| Sr: Sample Results                                  | 5  |
| BH 20-12 (0-1') L1285600-01                         | 5  |
| BH 20-13 (0-1') L1285600-02                         | 6  |
| BH 20-13 (1-2') L1285600-03                         | 7  |
| BH 20-14 (0-1') L1285600-04                         | 8  |
| Qc: Quality Control Summary                         | 9  |
| Total Solids by Method 2540 G-2011                  | 9  |
| Wet Chemistry by Method 300.0                       | 10 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 11 |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 12 |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 14 |
| Gl: Glossary of Terms                               | 15 |
| Al: Accreditations & Locations                      | 16 |
| Sc: Sample Chain of Custody                         | 17 |





## BH 20-12 (0-1') L1285600-01 Solid

Collected by  
Adrian Garcia

Collected date/time  
11/11/20 12:00

Received date/time  
11/13/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1579035 | 1        | 11/20/20 04:40        | 11/20/20 04:48     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1578610 | 1        | 11/19/20 00:29        | 11/19/20 03:33     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1579747 | 25       | 11/18/20 10:28        | 11/20/20 17:28     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1578979 | 1        | 11/18/20 10:28        | 11/19/20 13:48     | JHH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1579350 | 1        | 11/18/20 10:28        | 11/20/20 19:37     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1579244 | 1        | 11/19/20 22:04        | 11/20/20 17:32     | JN      | Mt. Juliet, TN |

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

## BH 20-13 (0-1') L1285600-02 Solid

Collected by  
Adrian Garcia

Collected date/time  
11/11/20 12:10

Received date/time  
11/13/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1579035 | 1        | 11/20/20 04:40        | 11/20/20 04:48     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1578610 | 1        | 11/19/20 00:29        | 11/19/20 03:43     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1579747 | 25       | 11/18/20 10:28        | 11/20/20 17:48     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1578979 | 1        | 11/18/20 10:28        | 11/19/20 14:07     | JHH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1579350 | 1        | 11/18/20 10:28        | 11/20/20 19:56     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1579244 | 1        | 11/19/20 22:04        | 11/20/20 16:52     | JN      | Mt. Juliet, TN |

## BH 20-13 (1-2') L1285600-03 Solid

Collected by  
Adrian Garcia

Collected date/time  
11/11/20 12:20

Received date/time  
11/13/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1579035 | 1        | 11/20/20 04:40        | 11/20/20 04:48     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1578610 | 1        | 11/19/20 00:29        | 11/19/20 03:52     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1579747 | 1        | 11/18/20 10:28        | 11/20/20 18:09     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1578979 | 1        | 11/18/20 10:28        | 11/19/20 14:26     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1579244 | 1        | 11/19/20 22:04        | 11/20/20 19:31     | JN      | Mt. Juliet, TN |

## BH 20-14 (0-1') L1285600-04 Solid

Collected by  
Adrian Garcia

Collected date/time  
11/11/20 12:30

Received date/time  
11/13/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1579035 | 1        | 11/20/20 04:40        | 11/20/20 04:48     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1578610 | 1        | 11/19/20 00:29        | 11/19/20 04:02     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1579747 | 1        | 11/18/20 10:28        | 11/20/20 18:30     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1578979 | 1        | 11/18/20 10:28        | 11/19/20 17:55     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1579244 | 1        | 11/19/20 22:04        | 11/20/20 17:05     | JN      | 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.



Jason Romer  
Project Manager

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Collected date/time: 11/11/20 12:00

L1285600

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.5   |           | 1        | 11/20/2020 04:48 | <a href="#">WG1579035</a> |

## 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 | 68.2         |           | 9.44      | 20.5      | 1        | 11/19/2020 03:33 | <a href="#">WG1578610</a> |

## 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       | 1.48         | J         | 0.571     | 2.63      | 25       | 11/20/2020 17:28 | <a href="#">WG1579747</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 107          |           |           | 77.0-120  |          | 11/20/2020 17:28 | <a href="#">WG1579747</a> |

## 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            |           | 0.000491  | 0.00105   | 1        | 11/19/2020 13:48 | <a href="#">WG1578979</a> |
| Toluene                   | U            |           | 0.00137   | 0.00526   | 1        | 11/19/2020 13:48 | <a href="#">WG1578979</a> |
| Ethylbenzene              | U            |           | 0.000775  | 0.00263   | 1        | 11/19/2020 13:48 | <a href="#">WG1578979</a> |
| Total Xylenes             | 0.00344      | J         | 0.000925  | 0.00683   | 1        | 11/20/2020 19:37 | <a href="#">WG1579350</a> |
| (S) Toluene-d8            | 111          |           |           | 75.0-131  |          | 11/19/2020 13:48 | <a href="#">WG1578979</a> |
| (S) Toluene-d8            | 111          |           |           | 75.0-131  |          | 11/20/2020 19:37 | <a href="#">WG1579350</a> |
| (S) 4-Bromofluorobenzene  | 93.6         |           |           | 67.0-138  |          | 11/19/2020 13:48 | <a href="#">WG1578979</a> |
| (S) 4-Bromofluorobenzene  | 89.9         |           |           | 67.0-138  |          | 11/20/2020 19:37 | <a href="#">WG1579350</a> |
| (S) 1,2-Dichloroethane-d4 | 104          |           |           | 70.0-130  |          | 11/19/2020 13:48 | <a href="#">WG1578979</a> |
| (S) 1,2-Dichloroethane-d4 | 104          |           |           | 70.0-130  |          | 11/20/2020 19:37 | <a href="#">WG1579350</a> |

## 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 | 5.60         |           | 1.65      | 4.10      | 1        | 11/20/2020 17:32 | <a href="#">WG1579244</a> |
| C28-C40 Oil Range    | 32.9         |           | 0.281     | 4.10      | 1        | 11/20/2020 17:32 | <a href="#">WG1579244</a> |
| (S) o-Terphenyl      | 72.4         |           |           | 18.0-148  |          | 11/20/2020 17:32 | <a href="#">WG1579244</a> |

Collected date/time: 11/11/20 12:10

L1285600

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.7   |           | 1        | 11/20/2020 04:48 | <a href="#">WG1579035</a> |

## 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 | 43.2         |           | 9.41      | 20.5      | 1        | 11/19/2020 03:43 | <a href="#">WG1578610</a> |

## 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       | 2.19         | J         | 0.568     | 2.62      | 25       | 11/20/2020 17:48 | <a href="#">WG1579747</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 111          |           |           | 77.0-120  |          | 11/20/2020 17:48 | <a href="#">WG1579747</a> |

## 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            |           | 0.000489  | 0.00105   | 1        | 11/19/2020 14:07 | <a href="#">WG1578979</a> |
| Toluene                   | U            |           | 0.00136   | 0.00523   | 1        | 11/19/2020 14:07 | <a href="#">WG1578979</a> |
| Ethylbenzene              | U            |           | 0.000771  | 0.00262   | 1        | 11/19/2020 14:07 | <a href="#">WG1578979</a> |
| Total Xylenes             | 0.00165      | J         | 0.000921  | 0.00680   | 1        | 11/20/2020 19:56 | <a href="#">WG1579350</a> |
| (S) Toluene-d8            | 113          |           |           | 75.0-131  |          | 11/19/2020 14:07 | <a href="#">WG1578979</a> |
| (S) Toluene-d8            | 113          |           |           | 75.0-131  |          | 11/20/2020 19:56 | <a href="#">WG1579350</a> |
| (S) 4-Bromofluorobenzene  | 93.8         |           |           | 67.0-138  |          | 11/19/2020 14:07 | <a href="#">WG1578979</a> |
| (S) 4-Bromofluorobenzene  | 91.2         |           |           | 67.0-138  |          | 11/20/2020 19:56 | <a href="#">WG1579350</a> |
| (S) 1,2-Dichloroethane-d4 | 101          |           |           | 70.0-130  |          | 11/19/2020 14:07 | <a href="#">WG1578979</a> |
| (S) 1,2-Dichloroethane-d4 | 101          |           |           | 70.0-130  |          | 11/20/2020 19:56 | <a href="#">WG1579350</a> |

## 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 | 2.85         | J         | 1.65      | 4.09      | 1        | 11/20/2020 16:52 | <a href="#">WG1579244</a> |
| C28-C40 Oil Range    | 22.3         |           | 0.280     | 4.09      | 1        | 11/20/2020 16:52 | <a href="#">WG1579244</a> |
| (S) o-Terphenyl      | 62.1         |           |           | 18.0-148  |          | 11/20/2020 16:52 | <a href="#">WG1579244</a> |

Collected date/time: 11/11/20 12:20

L1285600

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.1   |           | 1        | 11/20/2020 04:48     | <a href="#">WG1579035</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | U            |           | 9.47      | 20.6      | 1        | 11/19/2020 03:52     | <a href="#">WG1578610</a> |

## 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            |           | 0.0223    | 0.103     | 1        | 11/20/2020 18:09     | <a href="#">WG1579747</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102          |           |           | 77.0-120  |          | 11/20/2020 18:09     | <a href="#">WG1579747</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000495  | 0.00106   | 1        | 11/19/2020 14:26     | <a href="#">WG1578979</a> |
| Toluene                   | U            |           | 0.00138   | 0.00530   | 1        | 11/19/2020 14:26     | <a href="#">WG1578979</a> |
| Ethylbenzene              | U            |           | 0.000781  | 0.00265   | 1        | 11/19/2020 14:26     | <a href="#">WG1578979</a> |
| Total Xylenes             | U            |           | 0.000932  | 0.00689   | 1        | 11/19/2020 14:26     | <a href="#">WG1578979</a> |
| (S) Toluene-d8            | 116          |           |           | 75.0-131  |          | 11/19/2020 14:26     | <a href="#">WG1578979</a> |
| (S) 4-Bromofluorobenzene  | 134          |           |           | 67.0-138  |          | 11/19/2020 14:26     | <a href="#">WG1578979</a> |
| (S) 1,2-Dichloroethane-d4 | 105          |           |           | 70.0-130  |          | 11/19/2020 14:26     | <a href="#">WG1578979</a> |

## 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 | 11.7         |           | 1.66      | 4.12      | 1        | 11/20/2020 19:31     | <a href="#">WG1579244</a> |
| C28-C40 Oil Range    | 68.3         |           | 0.282     | 4.12      | 1        | 11/20/2020 19:31     | <a href="#">WG1579244</a> |
| (S) o-Terphenyl      | 78.5         |           |           | 18.0-148  |          | 11/20/2020 19:31     | <a href="#">WG1579244</a> |

Collected date/time: 11/11/20 12:30

L1285600

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.5   |           | 1        | 11/20/2020 04:48     | <a href="#">WG1579035</a> |

## 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 | 126                |           | 9.44            | 20.5            | 1        | 11/19/2020 04:02     | <a href="#">WG1578610</a> |

## 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       | 0.0290             | J         | 0.0223          | 0.103           | 1        | 11/20/2020 18:30     | <a href="#">WG1579747</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102                |           |                 | 77.0-120        |          | 11/20/2020 18:30     | <a href="#">WG1579747</a> |

## 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                  |           | 0.000491        | 0.00105         | 1        | 11/19/2020 17:55     | <a href="#">WG1578979</a> |
| Toluene                   | U                  |           | 0.00137         | 0.00526         | 1        | 11/19/2020 17:55     | <a href="#">WG1578979</a> |
| Ethylbenzene              | U                  |           | 0.000775        | 0.00263         | 1        | 11/19/2020 17:55     | <a href="#">WG1578979</a> |
| Total Xylenes             | U                  |           | 0.000926        | 0.00684         | 1        | 11/19/2020 17:55     | <a href="#">WG1578979</a> |
| (S) Toluene-d8            | 114                |           |                 | 75.0-131        |          | 11/19/2020 17:55     | <a href="#">WG1578979</a> |
| (S) 4-Bromofluorobenzene  | 96.3               |           |                 | 67.0-138        |          | 11/19/2020 17:55     | <a href="#">WG1578979</a> |
| (S) 1,2-Dichloroethane-d4 | 106                |           |                 | 70.0-130        |          | 11/19/2020 17:55     | <a href="#">WG1578979</a> |

## 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 | 3.68               | J         | 1.65            | 4.10            | 1        | 11/20/2020 17:05     | <a href="#">WG1579244</a> |
| C28-C40 Oil Range    | 21.4               |           | 0.281           | 4.10            | 1        | 11/20/2020 17:05     | <a href="#">WG1579244</a> |
| (S) o-Terphenyl      | 75.2               |           |                 | 18.0-148        |          | 11/20/2020 17:05     | <a href="#">WG1579244</a> |

Total Solids by Method 2540 G-2011 [L1285600-01,02,03,04](#)

Method Blank (MB)

(MB) R3595504-1 11/20/20 04:48

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

L1285600-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1285600-04 11/20/20 04:48 • (DUP) R3595504-3 11/20/20 04:48

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 97.5            | 97.4       | 1        | 0.0726  |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3595504-2 11/20/20 04:48

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
|              | %            | %          | %        | %           |               |
| 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

L1285600-01,02,03,04

Method Blank (MB)

(MB) R3594878-1 11/19/20 03:15

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

L1285600-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1285600-04 11/19/20 04:02 • (DUP) R3594878-3 11/19/20 04:11

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 126                               | 122                          | 1        | 2.71         |               | 20                     |

L1286922-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1286922-03 11/19/20 05:56 • (DUP) R3594878-6 11/19/20 06:06

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 652                               | 645                          | 1        | 1.16         |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3594878-2 11/19/20 03:24

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 213                 | 107           | 90.0-110         |               |

L1286922-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1286922-02 11/19/20 05:28 • (MS) R3594878-4 11/19/20 05:37 • (MSD) R3594878-5 11/19/20 05:47

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 520                            | 100                               | 647                      | 653                          | 105          | 106           | 1        | 80.0-120         |              |               | 0.981    | 20              |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc



Volatile Organic Compounds (GC) by Method 8015D/GRO L1285600-01,02,03,04

Method Blank (MB)

(MB) R3595748-2 11/20/20 09:23

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 111                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3595748-1 11/20/20 08:41

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.81                | 106           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 104           | 77.0-120         |               |

L1285600-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1285600-01 11/20/20 17:28 • (MS) R3595748-3 11/20/20 19:32 • (MSD) R3595748-4 11/20/20 19:53

| Analyte                            | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 145                            | 1.48                              | 92.8                     | 115                          | 63.0         | 78.0          | 25       | 10.0-151         |              |               | 21.0     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                                |                                   |                          |                              | 106          | 103           |          | 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) R3595077-2 11/19/20 08:27

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>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  | 95.6               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 102                |              |                 | 70.0-130        |

Laboratory Control Sample (LCS)

(LCS) R3595077-1 11/19/20 07:30

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.126               | 101           | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.129               | 103           | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.124               | 99.2          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.396               | 106           | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 105           | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 98.0          | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 116           | 70.0-130         |               |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Method Blank (MB)

(MB) R3595832-2 11/20/20 10:35

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 110                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 89.4               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 107                |              |                 | 70.0-130        |

Laboratory Control Sample (LCS)

(LCS) R3595832-1 11/20/20 09:38

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Xylenes, Total            | 0.375                 | 0.399               | 106           | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 108           | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 94.4          | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 116           | 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 L1285600-01,02,03,04

Method Blank (MB)

(MB) R3595607-1 11/20/20 11:51

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 77.2               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3595607-2 11/20/20 12:04

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 34.1                | 68.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 85.0          | 18.0-148         |               |

L1285600-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1285600-01 11/20/20 17:32 • (MS) R3595607-3 11/20/20 17:45 • (MSD) R3595607-4 11/20/20 17:58

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 51.0                           | 5.60                              | 40.9                     | 43.4                         | 69.3         | 74.1          | 1        | 50.0-150         |              |               | 5.84     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 83.4         | 84.3          |          | 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.

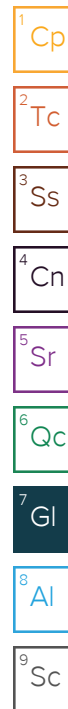
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

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



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* 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 National.

## State Accreditations

|                         |             |                             |                  |
|-------------------------|-------------|-----------------------------|------------------|
| Alabama                 | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                  | 17-026      | Nevada                      | TN-03-2002-34    |
| Arizona                 | AZ0612      | New Hampshire               | 2975             |
| Arkansas                | 88-0469     | New Jersey-NELAP            | TN002            |
| California              | 2932        | New Mexico <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 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 <sup>1 6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | LAB0152          |
| Maryland                | 324         | Utah                        | TN00003          |
| Massachusetts           | M-TN003     | Vermont                     | VT2006           |
| Michigan                | 9958        | Virginia                    | 460132           |
| Minnesota               | 047-999-395 | Washington                  | C847             |
| Mississippi             | TN00003     | West Virginia               | 233              |
| Missouri                | 340         | Wisconsin                   | 9980939910       |
| Montana                 | CERT0086    | Wyoming                     | A2LA             |

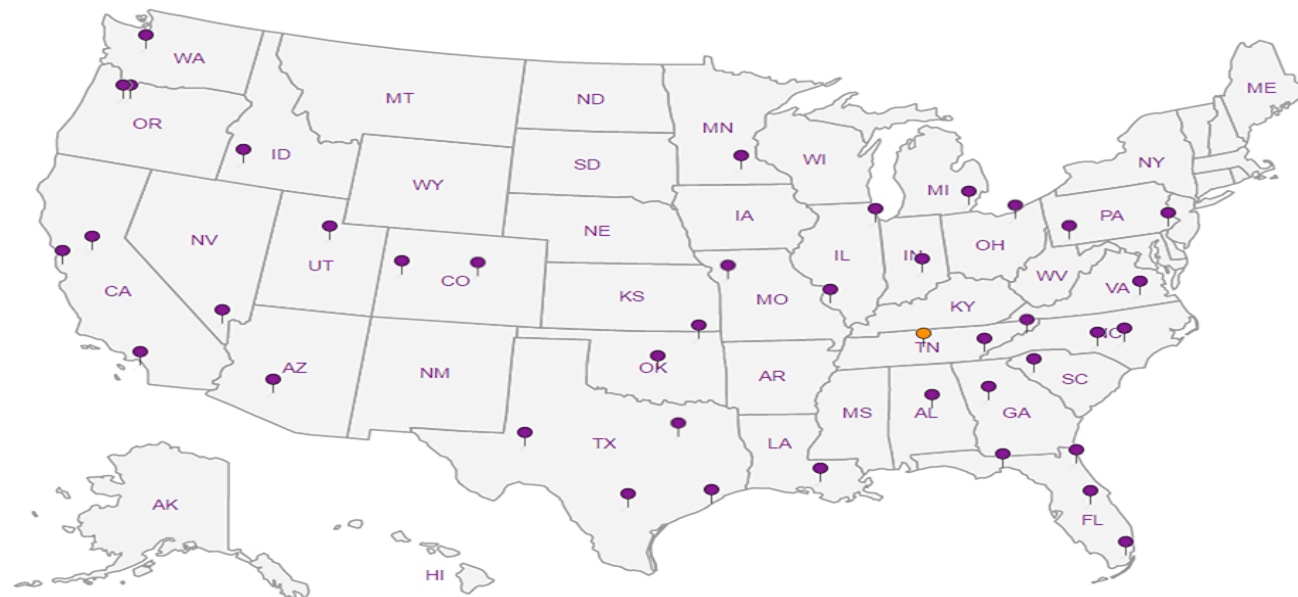
## Third Party Federal Accreditations

|                               |         |                     |               |
|-------------------------------|---------|---------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP, LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                 | 1461.01       |
| Canada                        | 1461.01 | USDA                | P330-15-00234 |
| EPA-Crypto                    | TN00003 |                     |               |

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

## Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.





### Analysis Request of Chain of Custody Record

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## **APPENDIX D**

### **Soil Boring Logs**

|                                                |  |                   |  |                            |                            |                         |  |                          |  |
|------------------------------------------------|--|-------------------|--|----------------------------|----------------------------|-------------------------|--|--------------------------|--|
| 212C-MD-01929                                  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING BH-1</b>  |                            |                         |  | Page<br>1 of 1           |  |
| Project Name: EVGSAU 3308-007 Release          |  |                   |  |                            |                            |                         |  |                          |  |
| Borehole Location: GPS: 32.793613, -103.470943 |  |                   |  |                            | Surface Elevation: 3950 ft |                         |  |                          |  |
| Borehole Number: BH-1                          |  |                   |  | Borehole Diameter (in.): 8 |                            | Date Started: 10/9/2019 |  | Date Finished: 10/9/2019 |  |

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                    |                             | DEPTH (ft) | REMARKS |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|---------------------------------------------|-----------------------------|------------|---------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                              | Upon Completion of Drilling |            |         |
|            |                |        | ExStik                         | PID                       |                     |                      |                   |              |                  |                   |             | <u>▽</u> DRY ft <u>▽</u> DRY ft<br>Remarks: |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b>                 |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                             |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                             |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                             |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                             |                             |            |         |

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                           |                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Auger<br/>  Air Rotary<br/>  Core Barrel<br/>  Direct Push         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value. |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|

|                   |                                |                               |
|-------------------|--------------------------------|-------------------------------|
| Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling |
|-------------------|--------------------------------|-------------------------------|

|                                                |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |              |                                                                                                                                                                                        |                |            |
|------------------------------------------------|----------------|-------------------|--------------------------------|----------------------------|----------------------------|-------------------------|-------------------|--------------------------|------------------|-------------------|--------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|------------|
| 212C-MD-01929                                  |                | <b>TETRA TECH</b> |                                | <b>LOG OF BORING BH-2</b>  |                            |                         |                   | Page<br>1 of 1           |                  |                   |              |                                                                                                                                                                                        |                |            |
| Project Name: EVGSAU 3308-007 Release          |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |              |                                                                                                                                                                                        |                |            |
| Borehole Location: GPS: 32.793630, -103.470731 |                |                   |                                |                            | Surface Elevation: 3950 ft |                         |                   |                          |                  |                   |              |                                                                                                                                                                                        |                |            |
| Borehole Number: BH-2                          |                |                   |                                | Borehole Diameter (in.): 8 |                            | Date Started: 10/9/2019 |                   | Date Finished: 10/9/2019 |                  |                   |              |                                                                                                                                                                                        |                |            |
| DEPTH (ft)                                     | OPERATION TYPE | SAMPLE            | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm)  | SAMPLE RECOVERY (%)        | MOISTURE CONTENT (%)    | DRY DENSITY (pcf) | LIQUID LIMIT             | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG  | <b>WATER LEVEL OBSERVATIONS</b><br>While Drilling <input checked="" type="checkbox"/> DRY ft    Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft<br><br>Remarks: |                |            |
|                                                |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |              | <b>MATERIAL DESCRIPTION</b>                                                                                                                                                            |                | DEPTH (ft) |
| 5                                              | X              | X                 | 434                            | 19.1                       |                            |                         |                   |                          |                  |                   |              | 1.5                                                                                                                                                                                    | BH-2 (0'-1')   |            |
|                                                |                |                   |                                | 397.1                      |                            |                         |                   |                          |                  |                   | 3.5          | BH-2 (2'-3')                                                                                                                                                                           |                |            |
|                                                |                |                   |                                | 19.3                       |                            |                         |                   |                          |                  |                   |              | BH-2 (4'-5')                                                                                                                                                                           |                |            |
|                                                |                |                   |                                | 23.3                       |                            |                         |                   |                          |                  |                   | BH-2 (6'-7') |                                                                                                                                                                                        |                |            |
| 10                                             | X              | X                 | 1640                           | 7.9                        |                            |                         |                   |                          |                  |                   |              |                                                                                                                                                                                        | BH-2 (9'-10')  |            |
| 15                                             | X              | X                 | 72.5                           | 6.9                        |                            |                         |                   |                          |                  |                   |              | 15                                                                                                                                                                                     | BH-2 (14'-15') |            |

Bottom of borehole at 15.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                                                                                                                    |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> Split Spoon<br/> <input checked="" type="checkbox"/> Shelby<br/> <input checked="" type="checkbox"/> Bulk Sample<br/> <input checked="" type="checkbox"/> Grab Sample         </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Acetate Liner<br/> <input checked="" type="checkbox"/> Vane Shear<br/> <input checked="" type="checkbox"/> California<br/> <input checked="" type="checkbox"/> Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> Mud Rotary<br/> <input checked="" type="checkbox"/> Continuous Flight Auger<br/> <input checked="" type="checkbox"/> Wash Rotary         </div> <div style="width: 50%;"> <input checked="" type="checkbox"/> Auger<br/> <input checked="" type="checkbox"/> Air Rotary<br/> <input checked="" type="checkbox"/> Core Barrel<br/> <input checked="" type="checkbox"/> Direct Push         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value. |
| <b>Logger:</b> Joe Tyler                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Driller:</b> Scarborough Drilling                                                                               |

|                                                |  |                   |  |                            |                            |                         |  |                          |  |
|------------------------------------------------|--|-------------------|--|----------------------------|----------------------------|-------------------------|--|--------------------------|--|
| 212C-MD-01929                                  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING BH-3</b>  |                            |                         |  | Page<br>1 of 1           |  |
| Project Name: EVGSAU 3308-007 Release          |  |                   |  |                            |                            |                         |  |                          |  |
| Borehole Location: GPS: 32.793723, -103.470620 |  |                   |  |                            | Surface Elevation: 3947 ft |                         |  |                          |  |
| Borehole Number: BH-3                          |  |                   |  | Borehole Diameter (in.): 8 |                            | Date Started: 10/9/2019 |  | Date Finished: 10/9/2019 |  |

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                                                                                                                                                                                                                                                                                      |                             | DEPTH (ft)    | REMARKS |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|---------------|---------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                                                                                                                                                                                                                                                                                                                                                | Upon Completion of Drilling |               |         |
|            |                |        | ExStik                         | PID                       |                     |                      |                   |              |                  |                   |             | While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br>Remarks:                                                                                                                                                                                                                                                                     |                             |               |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b><br><br><b>-SM-</b> SILTY SAND; Brown, loose, with heavy gravel, with no hydrocarbon odor, with no staining.<br><br><b>-ML-</b> SILT; White, medium dense to dense, cemented, with gravel, with no hydrocarbon odor, with no staining. Grading to SILTY SAND in part. Interbedded with lenses and layers of hard caprock calcrete. |                             |               |         |
|            |                |        | 604                            |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                               | 1.5                         | BH-3 (0'-1')  |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                               |                             | BH-3 (2'-3')  |         |
| 5          |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                               |                             | BH-3 (4'-5')  |         |
|            |                |        | 143                            |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                               |                             | BH-3 (6'-7')  |         |
| 10         |                |        | 128                            |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                               | 10                          | BH-3 (9'-10') |         |

Bottom of borehole at 10.0 feet.

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                           |                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Auger<br/>  Air Rotary<br/>  Core Barrel<br/>  Direct Push         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value. |
| <b>Logger:</b> Joe Tyler                                                                                                                                                                                                                                                                      | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                                                                                                                     | <b>Driller:</b> Scarborough Drilling                                                                               |

|               |                   |                           |                |
|---------------|-------------------|---------------------------|----------------|
| 212C-MD-01929 | <b>TETRA TECH</b> | <b>LOG OF BORING BH-4</b> | Page<br>1 of 1 |
|---------------|-------------------|---------------------------|----------------|

Project Name: EVGSAU 3308-007 Release

Borehole Location: GPS: 32.793879, -103.470400

Surface Elevation: 3945 ft

Borehole Number: BH-4

Borehole  
Diameter (in.): 8

Date Started: 10/9/2019

Date Finished: 10/9/2019

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                                                                                                                                                                                                                                                                                                                                                                                |                             | DEPTH (ft) | REMARKS |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|---------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                                                                                                                                                                                                                                                                                                                                                                                                                                          | Upon Completion of Drilling |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>WATER LEVEL OBSERVATIONS</b><br>While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br><br>Remarks:                                                                                                                                                                                                                                                                                                                        |                             |            |         |
|            |                |        | ExStik                         | PID                       |                     |                      |                   | LL           | PI               |                   |             | <b>MATERIAL DESCRIPTION</b><br><br><b>-SM-</b> SILTY SAND; Brown, medium dense, with gravel, with no hydrocarbon odor, with no staining.<br><br><b>-ML-</b> SILT; White, medium dense to dense, cemented, with gravel, with no hydrocarbon odor, with no staining. Grading to SILTY SAND in part. Interbedded with lenses and layers of hard caprock calcrete.<br><br><b>-SM-</b> SILTY SAND; Brown, dense, with no hydrocarbon odor, with no staining. |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
| 5          |                |        | 96.1                           | 3.8                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
|            |                |        |                                | 9                         |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
|            |                |        | 326                            | 7.5                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
|            |                |        |                                | 7.1                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
| 10         |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
|            |                |        | 178                            | 8.7                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
| 15         |                |        | 62.4                           | 8.2                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |

Bottom of borehole at 15.0 feet.

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                           |                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Auger<br/>  Air Rotary<br/>  Core Barrel<br/>  Direct Push         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value. |
| <b>Logger:</b> Joe Tyler                                                                                                                                                                                                                                                                      | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                                                                                                                     | <b>Driller:</b> Scarborough Drilling                                                                               |

|                                                |  |                   |  |                            |                            |                         |  |                          |  |
|------------------------------------------------|--|-------------------|--|----------------------------|----------------------------|-------------------------|--|--------------------------|--|
| 212C-MD-01929                                  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING BH-5</b>  |                            |                         |  | Page<br>1 of 1           |  |
| Project Name: EVGSAU 3308-007 Release          |  |                   |  |                            |                            |                         |  |                          |  |
| Borehole Location: GPS: 32.793612, -103.470641 |  |                   |  |                            | Surface Elevation: 3950 ft |                         |  |                          |  |
| Borehole Number: BH-5                          |  |                   |  | Borehole Diameter (in.): 8 |                            | Date Started: 10/9/2019 |  | Date Finished: 10/9/2019 |  |

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                                                                                                                                                                                                                                                                                                |                             | DEPTH (ft) | REMARKS |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|---------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                                                                                                                                                                                                                                                                                                                                                          | Upon Completion of Drilling |            |         |
|            |                |        | ExStik                         | PID                       |                     |                      |                   |              |                  |                   |             | <u>▽</u> DRY ft <u>▽</u> DRY ft<br>Remarks:                                                                                                                                                                                                                                                                                                                             |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b><br><br><b>-SM- SILTY SAND; Brown, loose to medium dense, with few gravel, with no hydrocarbon odor, with no staining.</b><br><b>-ML- SILT; White, medium dense to dense, cemented, with gravel, with no hydrocarbon odor, with no staining. Grading to SILTY SAND in part. Interbedded with lenses and layers of hard caprock calcrete.</b> |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
| 5          |                |        | 2240                           | 5.4                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
|            |                |        | 575                            | 4.8                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
| 10         |                |        | 516                            | 7.2                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |
| 15         |                |        |                                | 6.9                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                         |                             |            |         |

Bottom of borehole at 15.0 feet.

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                           |                                                                                                                    |
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| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Auger<br/>  Air Rotary<br/>  Core Barrel<br/>  Direct Push         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value. |
| <b>Logger:</b> Joe Tyler                                                                                                                                                                                                                                                                      |                                                                                                                                                                                                                                                                                           | <b>Drilling Equipment:</b> Air Rotary                                                                              |
| <b>Driller:</b> Scarborough Drilling                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                           |                                                                                                                    |

|                                                |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |             |                                                                                                                                                    |  |              |
|------------------------------------------------|----------------|-------------------|--------------------------------|----------------------------|----------------------------|-------------------------|-------------------|--------------------------|------------------|-------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------|--|--------------|
| 212C-MD-01929                                  |                | <b>TETRA TECH</b> |                                | <b>LOG OF BORING BH-6</b>  |                            |                         |                   | Page<br>1 of 1           |                  |                   |             |                                                                                                                                                    |  |              |
| Project Name: EVGSAU 3308-007 Release          |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |             |                                                                                                                                                    |  |              |
| Borehole Location: GPS: 32.793546, -103.470545 |                |                   |                                |                            | Surface Elevation: 3950 ft |                         |                   |                          |                  |                   |             |                                                                                                                                                    |  |              |
| Borehole Number: BH-6                          |                |                   |                                | Borehole Diameter (in.): 8 |                            | Date Started: 10/9/2019 |                   | Date Finished: 10/9/2019 |                  |                   |             |                                                                                                                                                    |  |              |
| DEPTH (ft)                                     | OPERATION TYPE | SAMPLE            | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm)  | SAMPLE RECOVERY (%)        | MOISTURE CONTENT (%)    | DRY DENSITY (pcf) | LIQUID LIMIT             | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | <b>WATER LEVEL OBSERVATIONS</b><br>While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br><br>Remarks:                   |  |              |
|                                                |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |             | <b>MATERIAL DESCRIPTION</b>                                                                                                                        |  | DEPTH (ft)   |
| 5                                              | X              | X                 | 480                            | 3.1                        |                            |                         |                   |                          |                  |                   |             | <b>-CL-</b> SANDY CLAY; Brown, soft to medium stiff, with no hydrocarbon odor, with no staining.                                                   |  | BH-6 (0'-1') |
|                                                |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |             | <b>-ML-</b> SILT; White, medium dense to dense, cemented, with gravel, with no hydrocarbon odor, with no staining. Interbedded with hard calcrete. |  | BH-6 (2'-3') |
|                                                |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |             | Bottom of borehole at 5.0 feet.                                                                                                                    |  | BH-6 (4'-5') |

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                           |                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Auger<br/>  Air Rotary<br/>  Core Barrel<br/>  Direct Push         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value. |
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|                   |                                |                               |
|-------------------|--------------------------------|-------------------------------|
| Logger: Joe Tyler | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling |
|-------------------|--------------------------------|-------------------------------|



|                                                |  |                   |  |                            |                            |                          |  |                           |  |
|------------------------------------------------|--|-------------------|--|----------------------------|----------------------------|--------------------------|--|---------------------------|--|
| 212C-MD-01929                                  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING BH-7</b>  |                            |                          |  | Page<br>1 of 1            |  |
| Project Name: EVGSAU 3308-007 Release          |  |                   |  |                            |                            |                          |  |                           |  |
| Borehole Location: GPS: 32.793496, -103.470753 |  |                   |  |                            | Surface Elevation: 3950 ft |                          |  |                           |  |
| Borehole Number: BH-7                          |  |                   |  | Borehole Diameter (in.): 8 |                            | Date Started: 10/10/2019 |  | Date Finished: 10/10/2019 |  |

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                                                                                                                                        |                             | DEPTH (ft)     | REMARKS |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|----------------|---------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                                                                                                                                                                                                  | Upon Completion of Drilling |                |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>Remarks:</b><br>While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft                                                                                                                |                             |                |         |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b>                                                                                                                                                                                     |                             |                |         |
| 5          |                | X      |                                | 3.2                       |                     |                      |                   |              |                  |                   |             | <b>-SM-</b> SILTY SAND; Brown, medium dense, with gravel, with low hydrocarbon odor, with no staining.                                                                                                          | 1.5                         | BH-7 (0'-1')   |         |
|            |                | X      | 1520                           | 4.6                       |                     |                      |                   |              |                  |                   |             | <b>-ML-</b> SILT; White, medium dense to dense, cemented, with gravel, with low hydrocarbon odor, with no staining.                                                                                             | 3.5                         | BH-7 (2'-3')   |         |
|            |                | X      |                                | 4.5                       |                     |                      |                   |              |                  |                   |             | <b>-ML-</b> SILT; White, medium dense to dense, cemented, with gravel, with no hydrocarbon odor, with no staining. Grading to SILTY SAND in part. Interbedded with lenses and layers of hard caprock calcrete.v |                             | BH-7 (4'-5')   |         |
|            |                | X      | 334                            | 2.7                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                 |                             | BH-7 (6'-7')   |         |
| 10         |                | X      |                                | 3.4                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                 |                             | BH-7 (9'-10')  |         |
|            |                | X      |                                |                           |                     |                      |                   |              |                  |                   |             | <b>-SM-</b> SILTY SAND; Brown, dense, with no hydrocarbon odor, with no staining.                                                                                                                               | 12                          |                |         |
| 15         |                | X      | 253                            | 1.9                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                 |                             | BH-7 (14'-15') |         |

Bottom of borehole at 15.0 feet.

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                           |                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Auger<br/>  Air Rotary<br/>  Core Barrel<br/>  Direct Push         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value. |
| <b>Logger:</b> Joe Tyler                                                                                                                                                                                                                                                                      | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                                                                                                                     | <b>Driller:</b> Scarborough Drilling                                                                               |

|                                                |  |                   |  |                            |                            |                          |  |                           |  |
|------------------------------------------------|--|-------------------|--|----------------------------|----------------------------|--------------------------|--|---------------------------|--|
| 212C-MD-01929                                  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING BH-8</b>  |                            |                          |  | Page<br>1 of 1            |  |
| Project Name: EVGSAU 3308-007 Release          |  |                   |  |                            |                            |                          |  |                           |  |
| Borehole Location: GPS: 32.793292, -103.470888 |  |                   |  |                            | Surface Elevation: 3950 ft |                          |  |                           |  |
| Borehole Number: BH-8                          |  |                   |  | Borehole Diameter (in.): 8 |                            | Date Started: 10/10/2019 |  | Date Finished: 10/10/2019 |  |

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                                                                                                                                                                                                                                                                                       |                             | DEPTH (ft) | REMARKS      |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|--------------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                                                                                                                                                                                                                                                                                                                                                 | Upon Completion of Drilling |            |              |
|            |                |        | ExStik                         | PID                       |                     |                      |                   | LL           | PI               |                   |             | DRY ft    DRY ft<br>Remarks:                                                                                                                                                                                                                                                                                                                                   |                             |            |              |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b><br><br><b>-SM-</b> SILTY SAND; Brown, medium dense, with few gravel, with no hydrocarbon odor, with no staining.<br><b>-ML-</b> SILT; White, medium dense to dense, cemented, with gravel, with no hydrocarbon odor, with no staining. Grading to SILTY SAND in part. Interbedded with lenses and layers of hard caprock calcrete. |                             |            |              |
|            |                |        | 134                            | 2.4                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                |                             | 1.5        | BH-8 (0'-1') |
|            |                |        |                                | 2.1                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                |                             |            | BH-8 (2'-3') |
| 5          |                |        | 63.8                           | 4.9                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                |                             |            | BH-8 (4'-5') |
|            |                |        |                                | 4.1                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                |                             |            | BH-8 (6'-7') |
| 10         |                |        |                                | 5.5                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                | BH-8 (9'-10')               |            |              |
| 15         |                |        | 66.5                           | 6.2                       |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                                                                                | BH-8 (14'-15')              |            |              |

Bottom of borehole at 15.0 feet.

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                           |                                                                                                                    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Auger<br/>  Air Rotary<br/>  Core Barrel<br/>  Direct Push         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value. |
| <b>Logger:</b> Joe Tyler                                                                                                                                                                                                                                                                      | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                                                                                                                     | <b>Driller:</b> Scarborough Drilling                                                                               |

|                                                |  |                   |  |                              |                            |                        |  |                         |  |
|------------------------------------------------|--|-------------------|--|------------------------------|----------------------------|------------------------|--|-------------------------|--|
| 212C-MD-01929                                  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING BH-20-3</b> |                            |                        |  | Page<br>1 of 1          |  |
| Project Name: EVGSAU 3308-007 Release          |  |                   |  |                              |                            |                        |  |                         |  |
| Borehole Location: GPS: 32.793556, -103.470798 |  |                   |  |                              | Surface Elevation: 3950 ft |                        |  |                         |  |
| Borehole Number: BH-20-3                       |  |                   |  | Borehole Diameter (in.): 8   |                            | Date Started: 9/2/2020 |  | Date Finished: 9/2/2020 |  |

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                                                                                                                                                                                                                         |                             | DEPTH (ft)       | REMARKS         |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------------|-----------------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                                                                                                                                                                                                                                                                                   | Upon Completion of Drilling |                  |                 |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>WATER LEVEL OBSERVATIONS</b><br>While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br><br>Remarks:                                                                                                                                                                 |                             |                  |                 |
|            |                |        | ExStik                         | PID                       |                     |                      |                   | LL           | PI               |                   |             | <b>MATERIAL DESCRIPTION</b>                                                                                                                                                                                                                                                                      |                             |                  |                 |
| 5          |                |        | 1                              | 0                         |                     |                      |                   |              |                  |                   |             | -- 1 foot of material removed during initial response activities.<br><b>-ML-</b> SILT: White, dense, cemented, with gravel, no odor, no staining.<br><br><b>-ML-</b> SILT: Tan, dense, cemented, with gravel, no odor, no staining. Interbedded with lenses and layers of hard caprock calcrete. | 1                           | BH-20-3 (1-2')   |                 |
|            |                |        |                                | 0                         |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  | 4.5                         | BH-20-3 (3-4')   |                 |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             | BH-20-3 (5-6')   |                 |
| 10         |                |        | 215                            | 0                         |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             | BH-20-3 (7-8')   |                 |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             |                  | BH-20-3 (9-10') |
| 15         |                |        | 137                            |                           |                     |                      |                   |              |                  |                   |             | <b>-SM-</b> SILTY SAND: Reddish brown, medium dense, no odor, no staining.                                                                                                                                                                                                                       | 12                          |                  |                 |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  | 15                          | BH-20-3 (14-15') |                 |

Bottom of borehole at 15.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                               |
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| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input checked="" type="checkbox"/> Split Spoon<br/> <input type="checkbox"/> Shelby<br/> <input type="checkbox"/> Bulk Sample<br/> <input type="checkbox"/> Grab Sample         </div> <div style="width: 50%;"> <input type="checkbox"/> Acetate Liner<br/> <input type="checkbox"/> Vane Shear<br/> <input checked="" type="checkbox"/> California<br/> <input type="checkbox"/> Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;"> <input type="checkbox"/> Mud Rotary<br/> <input type="checkbox"/> Continuous Flight Auger<br/> <input type="checkbox"/> Wash Rotary         </div> <div style="width: 50%;"> <input type="checkbox"/> Hand Auger<br/> <input type="checkbox"/> Air Rotary<br/> <input type="checkbox"/> Direct Push<br/> <input type="checkbox"/> Core Barrel         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value obtained from Google Earth. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                                                                                                                                                                                                                                                                                                  | <b>Driller:</b> Scarborough Drilling                                                                                                          |

|                                                |  |                   |  |                              |                            |                        |  |                         |  |
|------------------------------------------------|--|-------------------|--|------------------------------|----------------------------|------------------------|--|-------------------------|--|
| 212C-MD-01929                                  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING BH-20-4</b> |                            |                        |  | Page<br>1 of 1          |  |
| Project Name: EVGSAU 3308-007 Release          |  |                   |  |                              |                            |                        |  |                         |  |
| Borehole Location: GPS: 32.793530, -103.470598 |  |                   |  |                              | Surface Elevation: 3950 ft |                        |  |                         |  |
| Borehole Number: BH-20-4                       |  |                   |  | Borehole Diameter (in.): 8   |                            | Date Started: 9/2/2020 |  | Date Finished: 9/2/2020 |  |

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                                                                                                                                                                                                                         |                             | DEPTH (ft) | REMARKS          |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|------------------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                                                                                                                                                                                                                                                                                   | Upon Completion of Drilling |            |                  |
|            |                |        | ExStik                         | PID                       |                     |                      |                   | LL           | PI               |                   |             | <b>REMARKS:</b><br>While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft                                                                                                                                                                                                 |                             |            |                  |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b>                                                                                                                                                                                                                                                                      |                             |            |                  |
| 5          |                |        |                                | 0                         |                     |                      |                   |              |                  |                   |             | -- 1 foot of material removed during initial response activities.<br><b>-ML-</b> SILT: White, dense, cemented, with gravel, no odor, no staining.<br><br><b>-ML-</b> SILT: Tan, dense, cemented, with gravel, no odor, no staining. Interbedded with lenses and layers of hard caprock calcrete. |                             | 1          | BH-20-4 (1-2')   |
|            |                |        |                                | 0                         |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             | 4.5        | BH-20-4 (3-4')   |
|            |                |        |                                | 0                         |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             |            | BH-20-4 (5-6')   |
| 10         |                |        | 777                            |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             |            | BH-20-4 (7-8')   |
|            |                |        | 1230                           |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             |            | BH-20-4 (9-10')  |
| 15         |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             | 12         | BH-20-4 (14-15') |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             |            | BH-20-4 (18-19') |
| 20         |                |        | 688                            |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             |            | BH-20-4 (19-20') |
|            |                |        | 700                            |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                                  |                             | 20         |                  |

Bottom of borehole at 20.0 feet.

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                |                                                                                                                                               |
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| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Hand Auger<br/>  Air Rotary<br/>  Direct Push<br/>  Core Barrel         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value obtained from Google Earth. |
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|                       |                                |                               |
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| Logger: Adrian Garcia | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling |
|-----------------------|--------------------------------|-------------------------------|

|                                                |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                           |                                                                       |      |
|------------------------------------------------|----------------|-------------------|--------------------------------|------------------------------|----------------------------|------------------------|-------------------|-------------------------|------------------|-------------------|-------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------|------|
| 212C-MD-01929                                  |                | <b>TETRA TECH</b> |                                | <b>LOG OF BORING BH-20-5</b> |                            |                        |                   | Page<br>1 of 1          |                  |                   |             |                                                                                           |                                                                       |      |
| Project Name: EVGSAU 3308-007 Release          |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                           |                                                                       |      |
| Borehole Location: GPS: 32.793852, -103.470614 |                |                   |                                |                              | Surface Elevation: 3950 ft |                        |                   |                         |                  |                   |             |                                                                                           |                                                                       |      |
| Borehole Number: BH-20-5                       |                |                   |                                | Borehole Diameter (in.): 8   |                            | Date Started: 9/2/2020 |                   | Date Finished: 9/2/2020 |                  |                   |             |                                                                                           |                                                                       |      |
| DEPTH (ft)                                     | OPERATION TYPE | SAMPLE            | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm)    | SAMPLE RECOVERY (%)        | MOISTURE CONTENT (%)   | DRY DENSITY (pcf) | LIQUID LIMIT            | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                  |                                                                       |      |
|                                                |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             | While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br>Remarks: |                                                                       |      |
| MATERIAL DESCRIPTION                           |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             | DEPTH (ft)                                                                                | REMARKS                                                               |      |
| 5                                              | 5              | X                 | 31                             | 0                            |                            |                        |                   |                         |                  |                   |             | 5                                                                                         | -ML- SILT: White, dense, cemented, with gravel, no odor, no staining. | 0-1' |
|                                                |                |                   | 47                             | 0                            |                            |                        |                   |                         |                  |                   |             |                                                                                           |                                                                       | 2-3' |
|                                                |                |                   | 52                             |                              |                            |                        |                   |                         |                  |                   |             |                                                                                           |                                                                       | 4-5' |
|                                                |                |                   | 39                             |                              |                            |                        |                   |                         |                  |                   |             |                                                                                           |                                                                       | 7-8' |
| Bottom of borehole at 8.0 feet.                |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                           |                                                                       |      |

|                                                                                                                                                                                                                                                                                               |                                                                                                                                                                                                                                                                                                |                                                                                                                                               |
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| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Hand Auger<br/>  Air Rotary<br/>  Direct Push<br/>  Core Barrel         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value obtained from Google Earth. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                  | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                                                                                                                          | <b>Driller:</b> Scarborough Drilling                                                                                                          |

|                                                |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |
|------------------------------------------------|----------------|-------------------|--------------------------------|------------------------------|----------------------------|------------------------|-------------------|-------------------------|------------------|-------------------|-------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|---------|---------------------------------------------------------------------------------------------------------------------------------|--|
| 212C-MD-01929                                  |                | <b>TETRA TECH</b> |                                | <b>LOG OF BORING BH-20-6</b> |                            |                        |                   | Page<br>1 of 1          |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |
| Project Name: EVGSAU 3308-007 Release          |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |
| Borehole Location: GPS: 32.793748, -103.470523 |                |                   |                                |                              | Surface Elevation: 3950 ft |                        |                   |                         |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |
| Borehole Number: BH-20-6                       |                |                   |                                | Borehole Diameter (in.): 8   |                            | Date Started: 9/2/2020 |                   | Date Finished: 9/2/2020 |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |
| DEPTH (ft)                                     | OPERATION TYPE | SAMPLE            | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm)    | SAMPLE RECOVERY (%)        | MOISTURE CONTENT (%)   | DRY DENSITY (pcf) | LIQUID LIMIT            | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | <b>WATER LEVEL OBSERVATIONS</b><br>While Drilling <input checked="" type="checkbox"/> DRY ft    Upon Completion of Drilling <input checked="" type="checkbox"/> DRY ft<br>Remarks: |            |         |                                                                                                                                 |  |
|                                                |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             | MATERIAL DESCRIPTION                                                                                                                                                               | DEPTH (ft) | REMARKS |                                                                                                                                 |  |
| 5                                              | X              | X                 | 75                             | 0                            |                            |                        |                   |                         |                  |                   |             | -- 1 foot of material removed during initial response activities.<br><b>-ML-</b> SILT: White, dense, cemented, with gravel, no odor, no staining.                                  |            | 1       | BH-20-6 (1-2')<br><br>BH-20-6 (3-4')<br><br>BH-20-6 (5-6')<br><br>BH-20-6 (7-8')<br><br>BH-20-6 (9-10')<br><br>BH-20-6 (14-15') |  |
|                                                |                |                   | 91                             | 0                            |                            |                        |                   |                         |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |
|                                                |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |
|                                                |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |
| 10                                             | X              | X                 | 110                            | 0                            |                            |                        |                   |                         |                  |                   |             | <b>-SM-</b> SILTY SAND: Reddish brown, medium dense, no odor, no staining.                                                                                                         |            | 9.5     |                                                                                                                                 |  |
|                                                |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |
| 15                                             | X              | X                 | 77                             |                              |                            |                        |                   |                         |                  |                   |             |                                                                                                                                                                                    |            |         |                                                                                                                                 |  |

Bottom of borehole at 15.0 feet.

|                                                                                                                                                                                                                              |                                                                                                                                                                                                       |                                                                                                                                                                                             |                                                                                                                                                                                                        |                                                                                                                                            |
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| <b>Sampler Types:</b><br><input checked="" type="checkbox"/> Split Spoon<br><input checked="" type="checkbox"/> Shelby<br><input checked="" type="checkbox"/> Bulk Sample<br><input checked="" type="checkbox"/> Grab Sample | <input checked="" type="checkbox"/> Acetate Liner<br><input checked="" type="checkbox"/> Vane Shear<br><input checked="" type="checkbox"/> California<br><input checked="" type="checkbox"/> Test Pit | <b>Operation Types:</b><br><input checked="" type="checkbox"/> Mud Rotary<br><input checked="" type="checkbox"/> Continuous Flight Auger<br><input checked="" type="checkbox"/> Wash Rotary | <input checked="" type="checkbox"/> Hand Auger<br><input checked="" type="checkbox"/> Air Rotary<br><input checked="" type="checkbox"/> Direct Push<br><input checked="" type="checkbox"/> Core Barrel | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value obtained from Google Earth. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                 |                                                                                                                                                                                                       | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                       |                                                                                                                                                                                                        | <b>Driller:</b> Scarborough Drilling                                                                                                       |

|                                                |  |                   |  |                              |                            |                        |  |                         |  |
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| 212C-MD-01929                                  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING BH-20-7</b> |                            |                        |  | Page<br>1 of 1          |  |
| Project Name: EVGSAU 3308-007 Release          |  |                   |  |                              |                            |                        |  |                         |  |
| Borehole Location: GPS: 32.793643, -103.470984 |  |                   |  |                              | Surface Elevation: 3950 ft |                        |  |                         |  |
| Borehole Number: BH-20-7                       |  |                   |  | Borehole Diameter (in.): 8   |                            | Date Started: 9/2/2020 |  | Date Finished: 9/2/2020 |  |

| DEPTH (ft)                      | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                  |                                                                                                                                                                                         |                |                |
|---------------------------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|-------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|----------------|
|                                 |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br>Remarks: |                                                                                                                                                                                         |                |                |
| MATERIAL DESCRIPTION            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | DEPTH (ft)                                                                                | REMARKS                                                                                                                                                                                 |                |                |
| 5                               |                |        | 70                             | 0                         |                     |                      |                   |              |                  |                   |             | - <b>SM</b> - SILTY SAND: Brown, dense, with no odor, no staining.                        | 1.5                                                                                                                                                                                     | BH-20-7 (0-1') |                |
|                                 |                |        | 252                            | 0                         |                     |                      |                   |              |                  |                   |             |                                                                                           | - <b>ML</b> - SILT: White to light tan, dense, cemented, with gravel, no odor, no staining. Grading to SILTY SAND in part. Interbedded with lenses and layers of hard caprock calcrete. |                | BH-20-7 (2-3') |
|                                 |                |        | 117                            |                           |                     |                      |                   |              |                  |                   |             |                                                                                           |                                                                                                                                                                                         |                | BH-20-7 (4-5') |
|                                 |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                           |                                                                                                                                                                                         |                | BH-20-7 (7-8') |
| Bottom of borehole at 8.0 feet. |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                           |                                                                                                                                                                                         |                |                |

|                                                                              |                                                       |                                                                                 |                                                        |                                                                                                                                            |
|------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br>Split Spoon<br>Shelby<br>Bulk Sample<br>Grab Sample | Acetate Liner<br>Vane Shear<br>California<br>Test Pit | <b>Operation Types:</b><br>Mud Rotary<br>Continuous Flight Auger<br>Wash Rotary | Hand Auger<br>Air Rotary<br>Direct Push<br>Core Barrel | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value obtained from Google Earth. |
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|                       |                                |                               |
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| Logger: Adrian Garcia | Drilling Equipment: Air Rotary | Driller: Scarborough Drilling |
|-----------------------|--------------------------------|-------------------------------|



|                                                |                                                                                                    |                              |                                                   |
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| 212C-MD-01929                                  |  <b>TETRA TECH</b> | <b>LOG OF BORING BH-20-8</b> | Page<br>1 of 1                                    |
| Project Name: EVGSAU 3308-007 Release          |                                                                                                    |                              |                                                   |
| Borehole Location: GPS: 32.793801, -103.470937 |                                                                                                    | Surface Elevation: 3950 ft   |                                                   |
| Borehole Number: BH-20-8                       |                                                                                                    | Borehole Diameter (in.): 8   | Date Started: 9/2/2020<br>Date Finished: 9/2/2020 |

| DEPTH (ft)                      | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG                                                                       | WATER LEVEL OBSERVATIONS                                                                                                                                               |                             | DEPTH (ft) | REMARKS        |
|---------------------------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|----------------|
|                                 |                |        |                                |                           |                     |                      |                   |              |                  |                   |                                                                                   | While Drilling                                                                                                                                                         | Upon Completion of Drilling |            |                |
|                                 |                |        | ExStik                         | PID                       |                     |                      |                   | LL           | PI               |                   |                                                                                   | <b>REMARKS:</b><br><div style="border: 1px solid black; padding: 5px; min-height: 100px;"> <b>MATERIAL DESCRIPTION</b> </div>                                          |                             |            |                |
| 5                               |                | X      | 132                            | 0                         |                     |                      |                   |              |                  |                   |  | <b>-SM- SILTY SAND:</b> Brown, dense, with no odor, no staining.                                                                                                       |                             | 1.5        | BH-20-8 (0-1') |
|                                 |                | X      | 234                            | 0                         |                     |                      |                   |              |                  |                   |  | <b>-ML- SILT:</b> White, dense, cemented, with gravel, no odor, no staining.                                                                                           |                             | 3.5        | BH-20-8 (2-3') |
|                                 |                | X      | 301                            |                           |                     |                      |                   |              |                  |                   |  | <b>-ML- SILT:</b> Tan, dense, cemented, with gravel, no odor, no staining. Grading to SILTY SAND in part. Interbedded with lenses and layers of hard caprock calcrete. |                             |            | BH-20-8 (4-5') |
|                                 |                | X      | 269                            |                           |                     |                      |                   |              |                  |                   |  |                                                                                                                                                                        |                             | 8          | BH-20-8 (7-8') |
| Bottom of borehole at 8.0 feet. |                |        |                                |                           |                     |                      |                   |              |                  |                   |                                                                                   |                                                                                                                                                                        |                             |            |                |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California<br/>  Test Pit         </div> </div> | <b>Operation Types:</b><br><div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Wash Rotary         </div> <div style="width: 50%;">  Hand Auger<br/>  Air Rotary<br/>  Direct Push<br/>  Core Barrel         </div> </div> | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value obtained from Google Earth. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | <b>Driller:</b> Scarborough Drilling                                                                                                       |

|               |                                                                                             |                              |                |
|---------------|---------------------------------------------------------------------------------------------|------------------------------|----------------|
| 212C-MD-01929 |  TETRA TECH | <b>LOG OF BORING BH-20-9</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|------------------------------|----------------|

Project Name: EVGSAU 3308-007 Release

Borehole Location: GPS: 32.793822, -103.470853

Surface Elevation: 3950 ft

Borehole Number: BH-20-9

Borehole  
Diameter (in.): 8

Date Started: 9/2/2020

Date Finished: 9/2/2020

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                                                                                                                                                                                                            |                             | DEPTH (ft) | REMARKS        |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|----------------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                                                                                                                                                                                                                                                                      | Upon Completion of Drilling |            |                |
|            |                |        | ExStik                         | PID                       |                     |                      |                   | LL           | PI               |                   |             | <b>WATER LEVEL OBSERVATIONS</b><br>While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br>Remarks:                                                                                                                                                        |                             |            |                |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b><br><br><b>-SM-</b> SILTY SAND: Brown, dense, with no odor, no staining.<br><br><b>-ML-</b> SILT: White, dense, cemented, with gravel, no odor, no staining. Grading to SILTY SAND in part. Interbedded with lenses and layers of hard caprock calcrete. |                             | 1.5        | BH-20-9 (0-1') |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                     |                             |            | BH-20-9 (2-3') |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                     |                             |            | BH-20-9 (4-5') |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                                                                                                                     |                             |            | BH-20-9 (7-8') |

Bottom of borehole at 8.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br> Split Spoon<br> Shelby<br> Bulk Sample<br> Grab Sample<br> Acetate Liner<br> Vane Shear<br> California<br> Test Pit | <b>Operation Types:</b><br> Hand Auger<br> Mud Rotary<br> Continuous Flight Auger<br> Wash Rotary<br> Air Rotary<br> Direct Push<br> Core Barrel | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value obtained from Google Earth. |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

Logger: Adrian Garcia

Drilling Equipment: Air Rotary

Driller: Scarborough Drilling

|               |                                                                                             |                               |                |
|---------------|---------------------------------------------------------------------------------------------|-------------------------------|----------------|
| 212C-MD-01929 |  TETRA TECH | <b>LOG OF BORING BH-20-10</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|-------------------------------|----------------|

Project Name: EVGSAU 3308-007 Release

Borehole Location: GPS: 32.79361, -103.470476

Surface Elevation: 3950 ft

Borehole Number: BH-20-10

Borehole  
Diameter (in.): 8

Date Started: 9/2/2020

Date Finished: 9/2/2020

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                                                                                                                       |                             | DEPTH (ft) | REMARKS         |
|------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------|------------|-----------------|
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling                                                                                                                                                                 | Upon Completion of Drilling |            |                 |
|            |                |        | ExStik                         | PID                       |                     |                      |                   | LL           | PI               |                   |             | <b>REMARKS:</b><br>While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft                                                                               |                             |            |                 |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | MATERIAL DESCRIPTION                                                                                                                                                           |                             |            |                 |
|            |                |        | 161                            | 0                         |                     |                      |                   |              |                  |                   |             | -SM- SILTY SAND: Brown, dense, with no odor, no staining.                                                                                                                      |                             | 1.5        | BH-20-10 (0-1') |
|            |                |        | 334                            | 0                         |                     |                      |                   |              |                  |                   |             | -ML- SILT: White to light tan, dense, cemented, with gravel, no odor, no staining. Grading to SILTY SAND in part. Interbedded with lenses and layers of hard caprock calcrete. |                             |            | BH-20-10 (2-3') |
| 5          |                |        | 254                            |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                |                             |            | BH-20-10 (4-5') |
|            |                |        | 291                            |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                                                                                |                             | 8          | BH-20-10 (7-8') |

Bottom of borehole at 8.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                            |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br> Split Spoon<br> Shelby<br> Bulk Sample<br> Grab Sample<br> Acetate Liner<br> Vane Shear<br> California<br> Test Pit | <b>Operation Types:</b><br> Hand Auger<br> Mud Rotary<br> Continuous Flight Auger<br> Wash Rotary<br> Air Rotary<br> Direct Push<br> Core Barrel | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column. Surface elevation is an estimated value obtained from Google Earth. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Drilling Equipment:</b> Air Rotary                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Driller:</b> Scarborough Drilling                                                                                                       |

|                                                |  |                   |  |                               |                            |                        |  |                         |  |
|------------------------------------------------|--|-------------------|--|-------------------------------|----------------------------|------------------------|--|-------------------------|--|
| 212C-MD-01929                                  |  | <b>TETRA TECH</b> |  | <b>LOG OF BORING BH-20-11</b> |                            |                        |  | Page<br>1 of 1          |  |
| Project Name: EVGSAU 3308-007 Release          |  |                   |  |                               |                            |                        |  |                         |  |
| Borehole Location: GPS: 32.793549, -103.470465 |  |                   |  |                               | Surface Elevation: 3950 ft |                        |  |                         |  |
| Borehole Number: BH-20-11                      |  |                   |  | Borehole Diameter (in.): 8    |                            | Date Started: 9/2/2020 |  | Date Finished: 9/2/2020 |  |

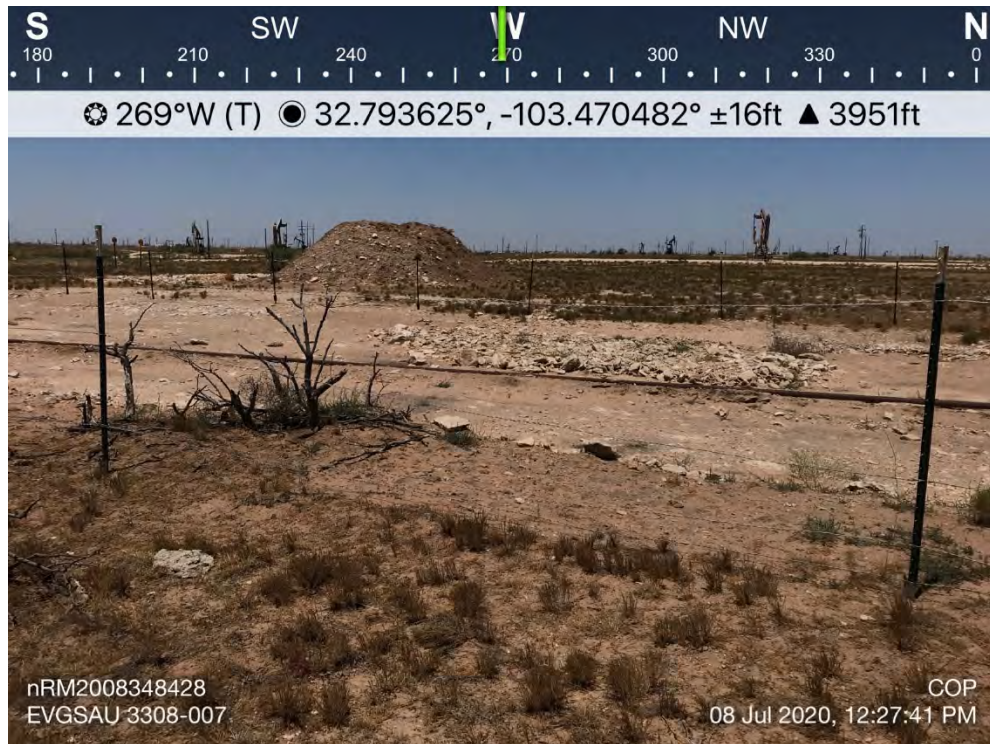
| DEPTH (ft)           | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS                                                      |                 |                 |                 |
|----------------------|----------------|--------|--------------------------------|---------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|-------------|-------------------------------------------------------------------------------|-----------------|-----------------|-----------------|
|                      |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft |                 |                 |                 |
| Remarks:             |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | DEPTH (ft)                                                                    | REMARKS         |                 |                 |
| MATERIAL DESCRIPTION |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                               |                 |                 |                 |
| 5                    | X              | X      | 149                            | 0                         |                     |                      |                   |              |                  |                   |             | 1.5                                                                           | BH-20-11 (0-1') |                 |                 |
|                      |                |        | 311                            |                           |                     |                      |                   |              |                  |                   |             |                                                                               |                 | BH-20-11 (2-3') |                 |
|                      |                |        | 73                             |                           |                     |                      |                   |              |                  |                   |             |                                                                               |                 |                 | BH-20-11 (4-5') |
|                      |                |        | 49                             |                           |                     |                      |                   |              |                  |                   |             |                                                                               |                 |                 | 8               |

Bottom of borehole at 8.0 feet.

|                                                                              |                                                       |                                                                                 |                                                        |                                                                                                                                               |
|------------------------------------------------------------------------------|-------------------------------------------------------|---------------------------------------------------------------------------------|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br>Split Spoon<br>Shelby<br>Bulk Sample<br>Grab Sample | Acetate Liner<br>Vane Shear<br>California<br>Test Pit | <b>Operation Types:</b><br>Mud Rotary<br>Continuous Flight Auger<br>Wash Rotary | Hand Auger<br>Air Rotary<br>Direct Push<br>Core Barrel | <b>Notes:</b><br>Analytical samples are shown in the "Remarks" column.<br>Surface elevation is an estimated value obtained from Google Earth. |
| <b>Logger:</b> Adrian Garcia                                                 |                                                       | <b>Drilling Equipment:</b> Air Rotary                                           |                                                        | <b>Driller:</b> Scarborough Drilling                                                                                                          |

## **APPENDIX E**

# **Photographic Documentation**

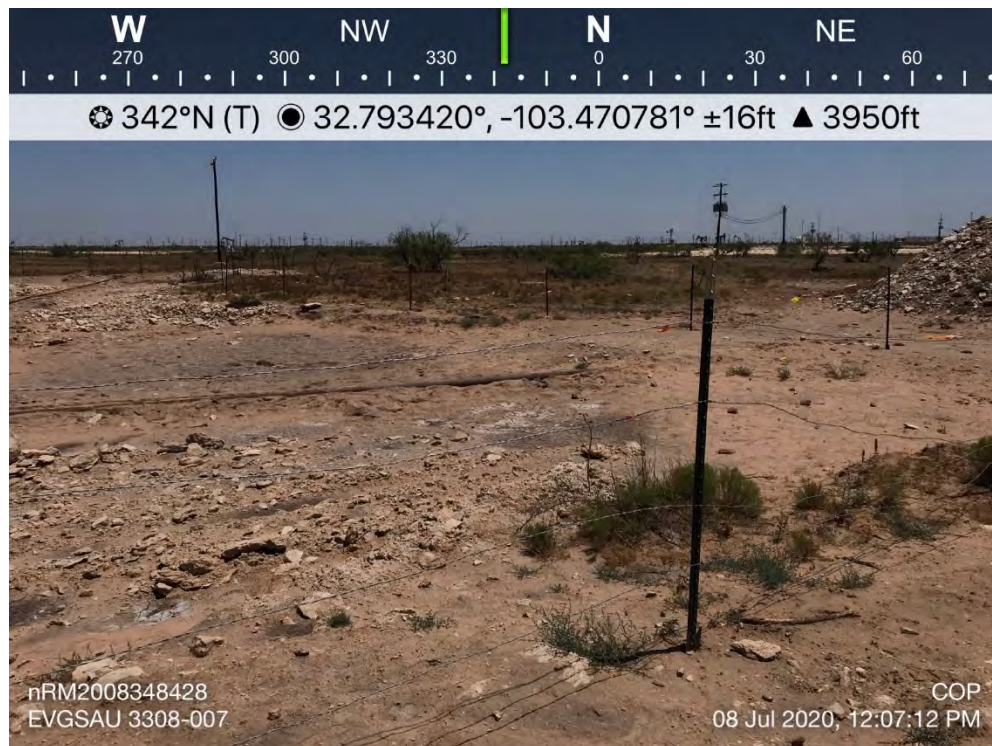


|                                                  |             |                                                                                                                       |           |
|--------------------------------------------------|-------------|-----------------------------------------------------------------------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-01929 | DESCRIPTION | View west over release footprint and excavated area. Stockpile to rear.<br>Site Coordinates: 32.793744°, -103.470587° | 1         |
|                                                  | SITE NAME   | EVGSAU 3308-007 Flowline Release                                                                                      | 7/08/2020 |

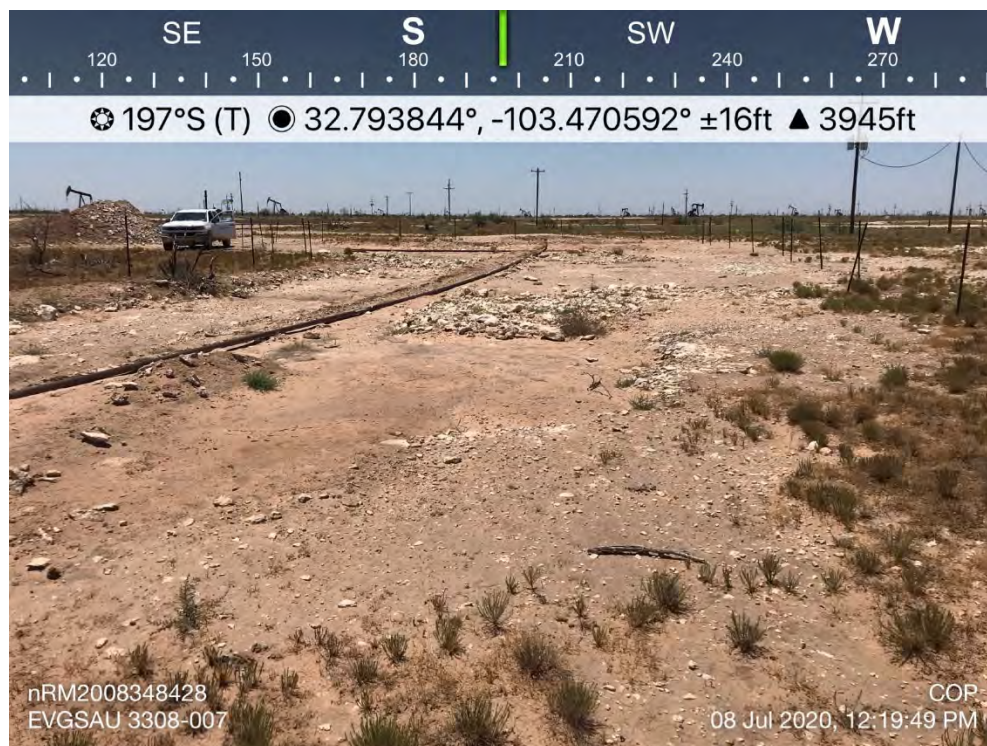


|                                                  |             |                                                                       |           |
|--------------------------------------------------|-------------|-----------------------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-01929 | DESCRIPTION | View west-northwest of central portion of the release and excavation. | 2         |
|                                                  | SITE NAME   | EVGSAU 3308-007 Flowline Release                                      | 7/08/2020 |





|                                                  |             |                                                      |           |
|--------------------------------------------------|-------------|------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-01929 | DESCRIPTION | View north over eastern flank of the release extent. | 3         |
|                                                  | SITE NAME   | EVGSAU 3308-007 Flowline Release                     | 7/08/2020 |



|                                                  |             |                                                        |           |
|--------------------------------------------------|-------------|--------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-01929 | DESCRIPTION | View south over the release extent and excavated area. | 4         |
|                                                  | SITE NAME   | EVGSAU 3308-007 Flowline Release                       | 7/08/2020 |





|                                                  |             |                                                                     |           |
|--------------------------------------------------|-------------|---------------------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-01929 | DESCRIPTION | View west of southern half of release extent<br>and excavated area. | 5         |
|                                                  | SITE NAME   | EVGSAU 3308-007 Flowline Release                                    | 7/08/2020 |

## **APPENDIX F**

### **NMSLO Seed Mixture Details**



United States  
Department of  
Agriculture

**NRCS**

Natural  
Resources  
Conservation  
Service

A product of the National  
Cooperative Soil Survey,  
a joint effort of the United  
States Department of  
Agriculture and other  
Federal agencies, State  
agencies including the  
Agricultural Experiment  
Stations, and local  
participants

# Custom Soil Resource Report for **Lea County, New Mexico**

**EVGSAU 3308-007 Release**



December 1, 2020

Custom Soil Resource Report  
Soil Map (EVGSAU 3308-007)



## Custom Soil Resource Report

## MAP LEGEND

## Area of Interest (AOI)

 Area of Interest (AOI)

## Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

## Special Point Features

 Blowout

 Borrow Pit

 Clay Spot

 Closed Depression

 Gravel Pit

 Gravelly Spot

 Landfill

 Lava Flow

 Marsh or swamp

 Mine or Quarry

 Miscellaneous Water

 Perennial Water

 Rock Outcrop

 Saline Spot

 Sandy Spot

 Severely Eroded Spot

 Sinkhole

 Slide or Slip

 Sodic Spot

 Spoil Area

 Stony Spot

 Very Stony Spot

 Wet Spot

 Other

 Special Line Features

## Water Features

 Streams and Canals

## Transportation

 Rails

 Interstate Highways

 US Routes

 Major Roads

 Local Roads

## Background

 Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 17, Jun 8, 2020

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

## Custom Soil Resource Report

**Map Unit Legend (EVGSAU 3308-007)**

| Map Unit Symbol                    | Map Unit Name                                     | Acres in AOI | Percent of AOI |
|------------------------------------|---------------------------------------------------|--------------|----------------|
| KU                                 | Kimbrough-Lea complex, dry, 0 to 3 percent slopes | 0.8          | 100.0%         |
| <b>Totals for Area of Interest</b> |                                                   | <b>0.8</b>   | <b>100.0%</b>  |

**Map Unit Descriptions (EVGSAU 3308-007)**

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.



## Custom Soil Resource Report

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.



## Custom Soil Resource Report

**Lea County, New Mexico****KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes****Map Unit Setting***National map unit symbol:* 2tw46*Elevation:* 2,500 to 4,800 feet*Mean annual precipitation:* 14 to 16 inches*Mean annual air temperature:* 57 to 63 degrees F*Frost-free period:* 180 to 220 days*Farmland classification:* Not prime farmland**Map Unit Composition***Kimbrough and similar soils:* 45 percent*Lea and similar soils:* 25 percent*Minor components:* 30 percent*Estimates are based on observations, descriptions, and transects of the mapunit.***Description of Kimbrough****Setting***Landform:* Plains, playa rims*Down-slope shape:* Linear, convex*Across-slope shape:* Linear, concave*Parent material:* Loamy eolian deposits derived from sedimentary rock**Typical profile***A - 0 to 3 inches:* gravelly loam*Bw - 3 to 10 inches:* loam*Bkkm1 - 10 to 16 inches:* cemented material*Bkkm2 - 16 to 80 inches:* cemented material**Properties and qualities***Slope:* 0 to 3 percent*Depth to restrictive feature:* 4 to 18 inches to petrocalcic*Drainage class:* Well drained*Runoff class:* High*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.01 in/hr)*Depth to water table:* More than 80 inches*Frequency of flooding:* None*Frequency of ponding:* None*Calcium carbonate, maximum content:* 95 percent*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*Sodium adsorption ratio, maximum:* 1.0*Available water capacity:* Very low (about 1.4 inches)**Interpretive groups***Land capability classification (irrigated):* None specified*Land capability classification (nonirrigated):* 7s*Hydrologic Soil Group:* D*Ecological site:* R077DY049TX - Very Shallow 12-17" PZ*Hydric soil rating:* No

## Custom Soil Resource Report

**Description of Lea****Setting**

*Landform:* Plains

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age

**Typical profile**

*A - 0 to 10 inches:* loam

*Bk - 10 to 18 inches:* loam

*Bkk - 18 to 26 inches:* gravelly fine sandy loam

*Bkkm - 26 to 80 inches:* cemented material

**Properties and qualities**

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 22 to 30 inches to petrocalcic

*Drainage class:* Well drained

*Runoff class:* High

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.06 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 90 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 3.0

*Available water capacity:* Very low (about 2.9 inches)

**Interpretive groups**

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 7s

*Hydrologic Soil Group:* D

*Ecological site:* R077DY047TX - Sandy Loam 12-17" PZ

*Hydric soil rating:* No

**Minor Components****Douro**

*Percent of map unit:* 12 percent

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* R077DY047TX - Sandy Loam 12-17" PZ

*Other vegetative classification:* Unnamed (G077DH000TX)

*Hydric soil rating:* No

**Kenhill**

*Percent of map unit:* 12 percent

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* R077DY038TX - Clay Loam 12-17" PZ

*Hydric soil rating:* No

Custom Soil Resource Report

**Spraberry**

*Percent of map unit:* 6 percent

*Landform:* Plains, playa rims

*Down-slope shape:* Linear, convex

*Across-slope shape:* Linear

*Ecological site:* R077DY049TX - Very Shallow 12-17" PZ

*Other vegetative classification:* Unnamed (G077DH000TX)

*Hydric soil rating:* No

**NMSLO Seed Mix****Sandy Loam (SL)****SANDY LOAM (SL) SITES SEED MIXTURE:**

| COMMON NAME           | VARIETY            | APPLICATION<br>RATE (PLS/Acre) | DRILL<br>BOX |
|-----------------------|--------------------|--------------------------------|--------------|
| <b>Grasses:</b>       |                    |                                |              |
| Galleta grass         | Viva, VNS, So.     | 2.5                            | F            |
| Little bluestem       | Cimmaron, Pastura  | 2.5                            | F            |
| Blue grama            | Hachita, Lovington | 2.0                            | D            |
| Sideoats grama        | Vaughn, El Reno    | 2.0                            | F            |
| Sand dropseed         | VNS, Southern      | 1.0                            | S            |
| <b>Forbs:</b>         |                    |                                |              |
| Indian blanketflower  | VNS, Southern      | 1.0                            | D            |
| Parry penstemon       | VNS, Southern      | 1.0                            | D            |
| Blue flax             | Appar              | 1.0                            | D            |
| Desert globemallow    | VNS, Southern      | 1.0                            | D            |
| <b>Shrubs:</b>        |                    |                                |              |
| Fourwing saltbush     | VNS, Southern      | 2.0                            | D            |
| Common winterfat      | VNS, Southern      | 1.0                            | F            |
| Apache plume          | VNS, Southern      | 0.75                           | F            |
| <b>Total PLS/acre</b> |                    | <b>17.75</b>                   |              |

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box

- VNS, Southern – No Variety Stated, seed should be from a southern latitude collection of this species.
- Double above seed rates for broadcast or hydroseeding.
- If Parry penstemon is not available, substitute firecracker penstemon.
- If desert globemallow is not available, substitute scarlet globemallow or Nelson globemallow.
- If a species is not available, provide a suggested substitute to the New Mexico Land Office for approval. Increasing all other species proportionately may be acceptable.



**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 14495

**CONDITIONS OF APPROVAL**

|                                                                                                   |  |                   |                         |                       |
|---------------------------------------------------------------------------------------------------|--|-------------------|-------------------------|-----------------------|
| Operator:<br>CONOCOPHILLIPS COMPANY      P.O.Box 2197<br>Office SP2-12-W156      Houston, TX77252 |  | OGRID:<br>217817  | Action Number:<br>14495 | Action Type:<br>C-141 |
| OCD Reviewer<br>ceads                                                                             |  | Condition<br>None |                         |                       |