



November 18, 2020

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

**Re: Release Characterization and Deferral Request  
ConocoPhillips  
MCA 2-C Header Release  
Unit Letter J, Section 28, Township 17 South, Range 32 East  
Lea County, New Mexico  
1RP-3579  
Incident Identification (ID) nTO1508344498**

Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to evaluate and assess a release that occurred at the Maljamar Cooperative Agreement (MCA) 2-C Production and Water Injection Header. The release footprint is located in Public Land Survey System (PLSS) Unit Letter J, Section 28, Township 17 South, Range 32 East, in Lea County, New Mexico (Site). The approximate release point coordinates are 32.803771°, -103.770124°. The Site location is shown on Figures 1 and 2.

## BACKGROUND

According to the State of New Mexico C-141 Initial Report, the release was discovered on March 10, 2015 at the MCA 2-C Production and Water Injection Header site location. The release occurred as the result of a production trunk line leak and encompassed an area of approximately 13,533 square feet. Approximately 20.5 barrels (bbls) of crude oil and 77.5 bbls of produced water were released, of which 18 bbls of crude oil and 67 bbls of produced water were reported recovered during initial response activities. The New Mexico Oil Conservation District (NMOCD) received the C-141 report form for the release on March 24, 2015 and subsequently assigned the Site the Remediation Permit (RP) number 1RP-3579 and Incident Identification (ID) nTO1508344498. The release area footprint associated with 1RP-3579 was later topped by a subsequent release associated with 1RP-5752. The initial C-141 Form for 1RP-3579 is included in Appendix A.

## SITE CHARACTERIZATION

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

The Site is within a New Mexico oil and gas production area. According to the New Mexico Office of the State Engineers (NMOSE) database, there are six water wells within a ½ mile (800-meter) radius of the

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Site with an average depth to groundwater at 99 feet (ft.) below ground surface (bgs). The minimum depth to groundwater in the area is 75 ft 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 as well as the NMOCD *Procedures for Implementation of the Spill Rule (19.15.29 NMAC)* guidance document (September 6, 2019), the site characterization data was used to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil.

Based upon the Site characterization, the proposed RRALs are:

- Benzene: 10 milligrams per kilogram (mg/kg);
- Total BTEX (sum of benzene, toluene, ethylbenzene, and xylene): 50 mg/kg;
- TPH (GRO + DRO): 1,000 mg/kg
- TPH (GRO + DRO + ORO): 2,500 mg/kg (100 mg/kg in the top four feet);
- Chloride: 10,000 mg/kg (600 mg/kg in the top four feet).

As this reported contamination is in areas immediately over, under or around production pipelines, full remediation would cause a major facility deconstruction. An injection line runs in the subsurface under the near entire extent of the release footprint. Per 19.15.29.12(2) NMAC, a deferral for the remediation, restoration, and reclamation for this release is requested until the pipeline equipment is removed during other operations, or when the injection header facility is retrofitted or abandoned, whichever comes first.

## INITIAL SITE SCREENING

An initial site screening assessment was conducted by Rice Environmental Consulting and Safety (RECS) in March 2015. RECS personnel screened soil samples collected from four locations (Vertical 1 through Vertical 4). The borings were installed to a maximum depth of 4 feet below ground surface (bgs). The soil samples were field screened for volatile organic compounds (VOCs) using an photoionization detector and for salinity using a handheld meter. No collected soil samples were submitted for laboratory analysis. The sample locations and field screening results are shown on the RECS figure included as Appendix C.

The screening values associated with the initial site assessment indicated impact likely extended down to 4' bgs, however, the vertical extent of contamination was not defined. Horizontal delineation was not pursued.

## INITIAL SITE ASSESSMENT

In 2017, the western portion of the MCA Unit #480 (API #30-025-39766) pad site at the southern end of the release extent was not needed for active support of production operations and underwent interim reclamation (Figure 5) to reduce the size of the MCA Unit #480 pad location. This prepared area was also reseeded.

Tetra Tech personnel were onsite to further delineate and sample the 1RP-3579 release area footprint in October 2018 on behalf of COP. A total of ten (10) borings (AH-1 through AH-10) were installed using a hand auger to depths ranging from 4 to 5 feet bgs to evaluate the vertical extent of contamination within the release footprint. Figure 3 depicts the release extent and the October 2018 soil boring locations.

A total of 49 soil samples were collected from these 10 boring locations and submitted to Pace Analytical National Center for Testing & Innovation (Pace) in Nashville, Tennessee to be analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. A copy of the

laboratory analytical report and chain-of-custody documentation are included in Appendix D. Photographic documentation of the initial release extent is included in Appendix E.

Additionally, a newer contemporaneous release footprint (1RP-5752) occurred atop the area containing boring locations AH-5 through AH-8 in 2019. The areas containing AH-1 through AH-4 and AH-9 and AH-10 were unaffected by the new release. Due to the interim reclamation activities and the assessment data, the area containing soil borings AH-9 and AH-10 should be considered delineated and meet the reclamation requirements in accordance with 19.15.29.13 NMAC.

## ADDITIONAL SITE DELINEATION

In order to achieve additional horizontal and vertical delineation of the 1RP-3579 release extent, Tetra Tech personnel conducted soil sampling from March to July 2020 on behalf of COP. Due to the abundance of surface flowlines and subsurface injection lines running across and through the release area footprint, a drilling rig was not able to safely access the release extent footprint and drill for delineation. Therefore, the site assessment activities consisted of digging a series of test pits within the release extent footprint with a mini excavator for vertical delineation, as well as completing borings for horizontal delineation around the release extent perimeter using a hand auger.

For the additional delineation, a total of seven (7) test pits (or trenches) were completed within the interior of the 1RP-3579 release extent. Trench (T)-1 through T-4 were completed in the southern portion of the footprint (and coincided with the 2019 1RP-5752 release extent) and T-9 through T-11 were completed in the northern portion of the footprint.

A series of auger holes (AH) were completed as shown in Figure 4 to complete horizontal delineation. These auger holes were installed along and around the perimeter of the release extent (to the north, east, south and west, respectively) to a depth of 4 feet bgs to achieve horizontal delineation. The auger holes were completed alongside the trench locations and named accordingly. For instance, AH-4E and AH-4W are locations which provide horizontal delineation on the east and west sides of T-4, respectively. Figure 4 depicts the release extent and the May 2020 sampling locations. Test pit logs and boring logs from the 2020 assessment activities are included in Appendix D. In some areas, additional step out locations were required for horizontal delineation. These locations are designated with a numeral following the cardinal direction (i.e. AH-11W-2).

A total of 73 soil samples were collected from these various trench and boring locations and submitted to Pace Analytical National Center for Testing & Innovation (Pace) in Nashville, Tennessee to be analyzed for a combination of chlorides 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 are included in Appendix D.

## SUMMARY OF ASSESSMENT AND RELEASE CHARACTERIZATION

During the initial assessment event in 2018, the analytical results associated with boring locations AH-1 and AH-3 through AH-8 were above RRALs for TPH and/or chloride in the majority of the sample intervals. However, the analytical results associated with boring locations AH-2, AH-9 and AH-10 were below the RRALs for TPH, BTEX and chloride. A summary of the laboratory analytical results is as Table 1. From review of the RECS figure in Attachment C, AH-2 appears to have been drilled in a location unaffected by the 1RP-3579 release. Nonetheless, analytical results from borings AH-9 and AH-10 indicates these locations are unimpacted.

However, based on review of analytical results from the 2018 sampling event, vertical delineation of contamination within the release footprint of 1RP-3579 was not attained as part of the initial assessment at the Site. The MCA 2-C Header facility area has numerous underground injection lines and surface flowlines, in addition to piping and production equipment throughout the area. The 2020 sampling locations were

Release Characterization and Deferral Request  
November 18, 2020

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chosen based on accessibility and to avoid safety issues due to the surface and subsurface infrastructure. Totals depths of the borings and test pits ranged from 1 to 20 feet bgs.

T-11 was installed within the release footprint to specifically clarify the vertical extent of the release in the 1RP-3579 footprint. The analytical results associated with the 14-15' sample at T-11 is the vertical delineation point for this release and is below the most stringent RRALs for chloride, TPH and BTEX.

The horizontal extent of the release footprint was defined through several iterations of hand auger borings. The analytical results associated with the AH-1S location exceeded the RRAL for TPH, however, AH-1S-2 was completed as an additional southern delineation point and was below the applicable RRALs. AH-1E and AH-1E-2 bound the release to the east, as do AH-2E, -3E, -4E, -11E, 10E and -9E. AH-9N bounds the release to the north. After several iterative boring locations, the release extent is bound to the west by locations AH-9W-3 through AH-9W-5, as do locations AH-10W, -11W-2, -4W, -3W, -2W and -1W. These borings complete horizontal delineation per 19.15.29.11(A)(5)(b) NMAC.

The analytical results associated with these samples collected around the release area in the upper four feet were below the reclamation RRALs for total TPH (GRO + DRO + ORO), BTEX and/or chloride in all samples. The boring locations are shown on Figure 4. The analytical results of the additional assessment sampling events are summarized in Table 2.

Photographic documentation of the release area post-initial response is included as Appendix E.

## CONCLUSION

The release was delineated horizontally and vertically, as detailed above, and does not cause an imminent risk to human health, the environment, or groundwater. Interim reclamation has already occurred on a portion of the release extent. Initial response activities (from the 1RP-5752 response) have removed 1-foot of impacted material from the 1RP-3579 footprint. The near entirety of the 1RP-3579 footprint follows a subsurface injection line. Final remediation and reclamation shall take place in accordance with 19.15.29.12 and 19.15.29.13 NMAC once the Site is no longer being used for oil and gas operations.

ConocoPhillips respectfully requests that NMOCD will consider delaying remediation activities at the Site until the end of life of the facility. At time of abandonment, retrofit, or inactivity, remediation will be completed in addition to reclamation. Based on the above, ConocoPhillips requests deferral for this impacted area footprint. The completed C-141 forms are enclosed in Appendix A.

If you have any questions or comments concerning the assessment or remediation activities for this site, please call us at either (512) 338-2861 or (432) 682-4559.

Sincerely,

**Tetra Tech, Inc.**



Christian M. Llull, P.G.  
Project Manager



Greg W. Pope, P.G.  
Program Manager

cc:

Ms. Jenni Fortunato, RMR – ConocoPhillips  
Mr. Marvin Soriwei, RMR - ConocoPhillips  
Mr. Charles Beauvais, GPBU - ConocoPhillips



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**List of Attachments**

Figures:

- Figure 1 – Site Location Map
- Figure 2 – Site Location/Topographic Map
- Figure 3 – Approximate Release Extent and Initial Assessment Map
- Figure 4 – Additional Assessment Map
- Figure 5 – Remediation and Reclamation Extent

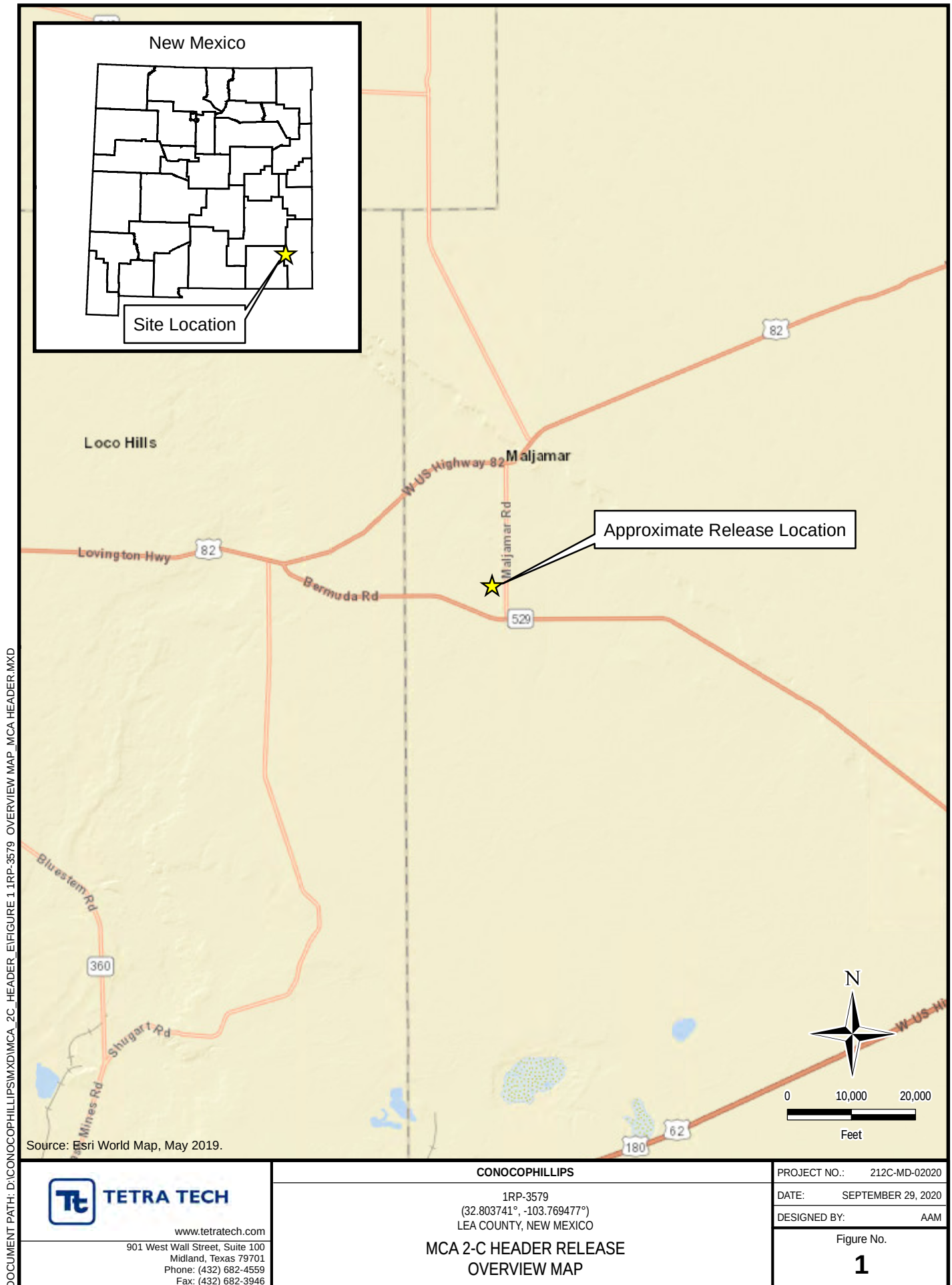
Tables:

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

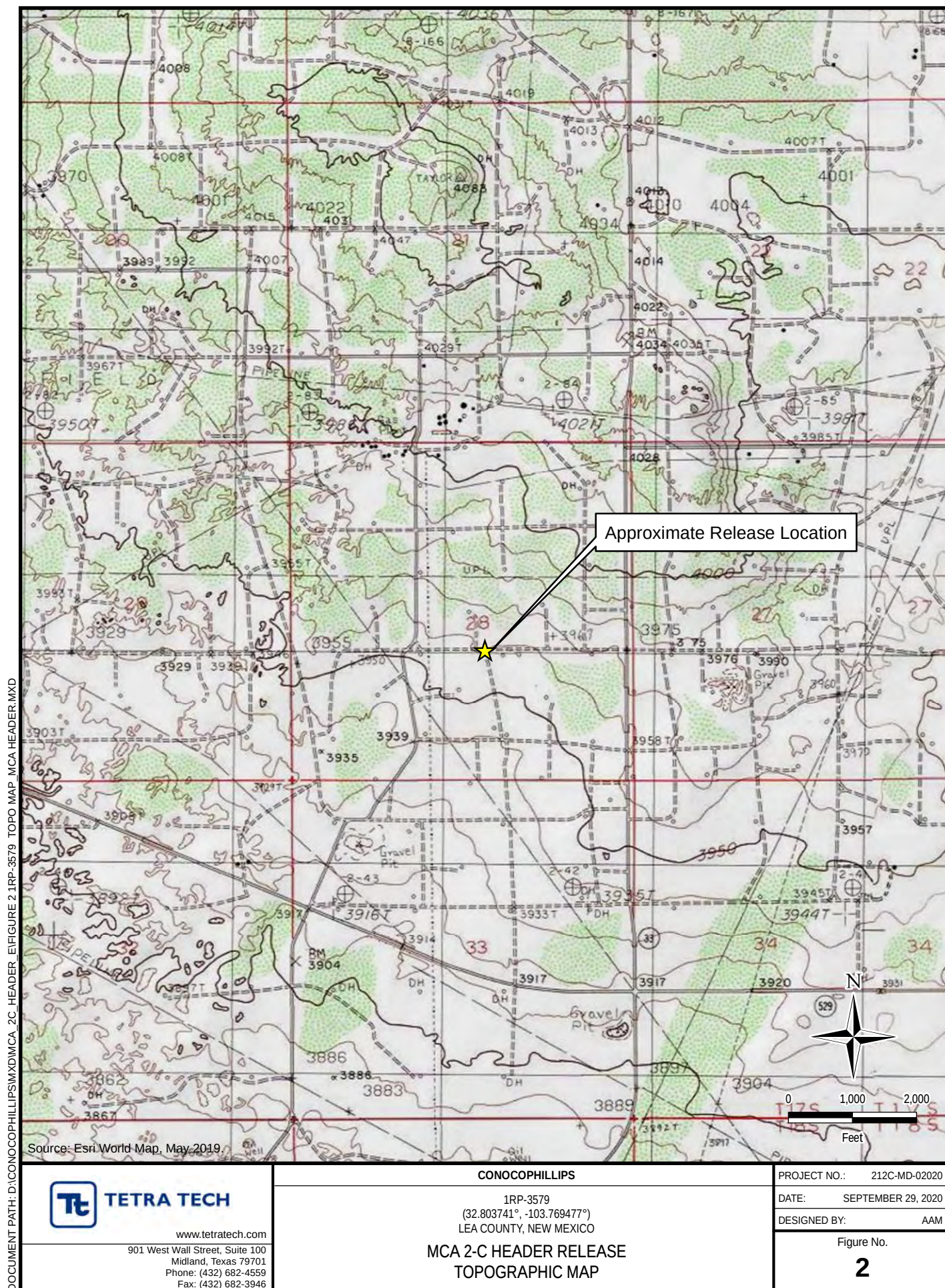
Appendices:

- Appendix A – C-141 Form
- Appendix B – Site Characterization Data
- Appendix C – Initial Extent and Screening
- Appendix D – Laboratory Analytical Reports
- Appendix E – Photographic Documentation
- Appendix F – Soil Boring Logs

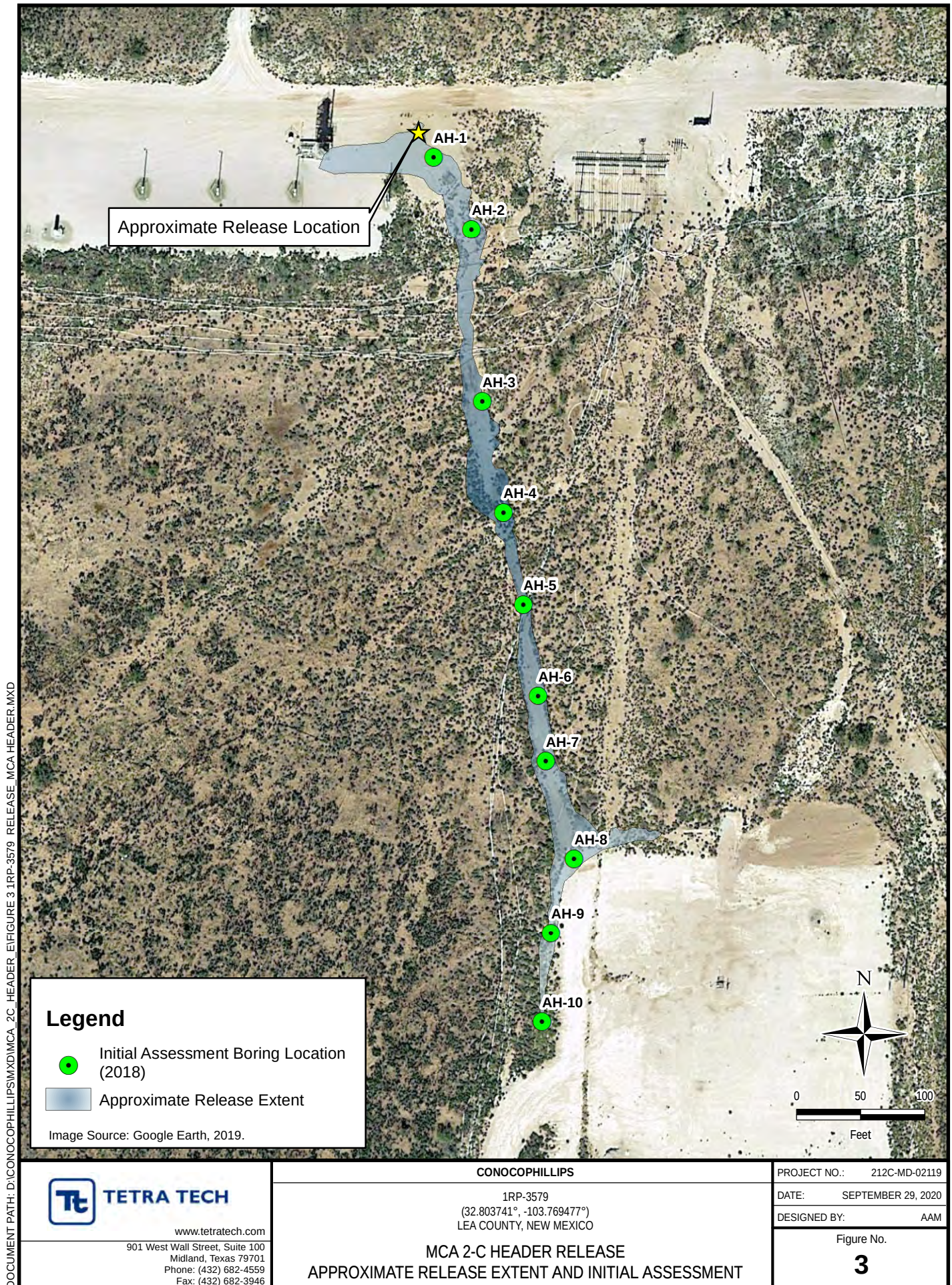
## **FIGURES**



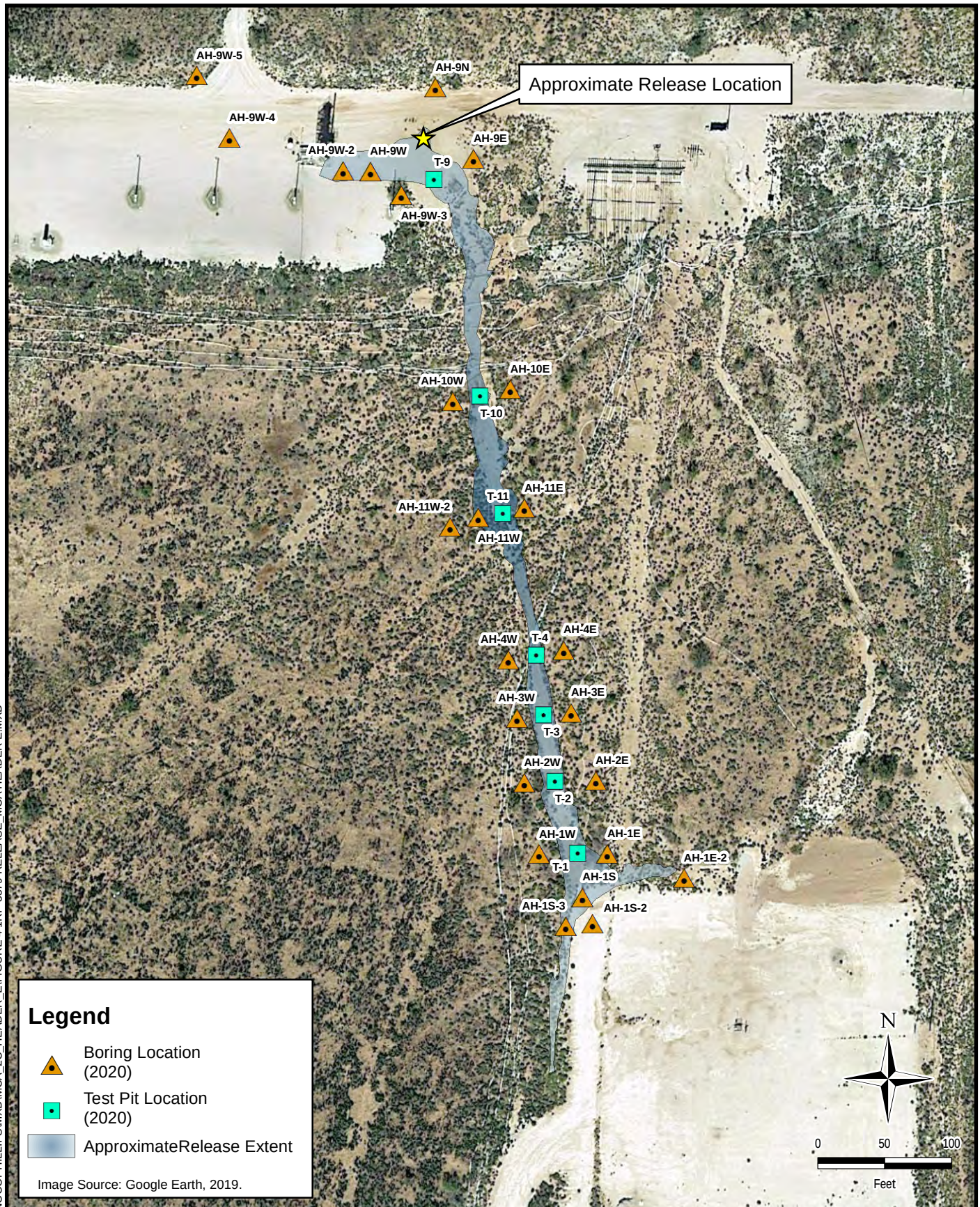












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(32.803741°, -103.769477°)  
LEA COUNTY, NEW MEXICO

**MCA 2-C HEADER RELEASE  
ADDITIONAL ASSESSMENT MAP**

PROJECT NO.: 212C-MD-02119

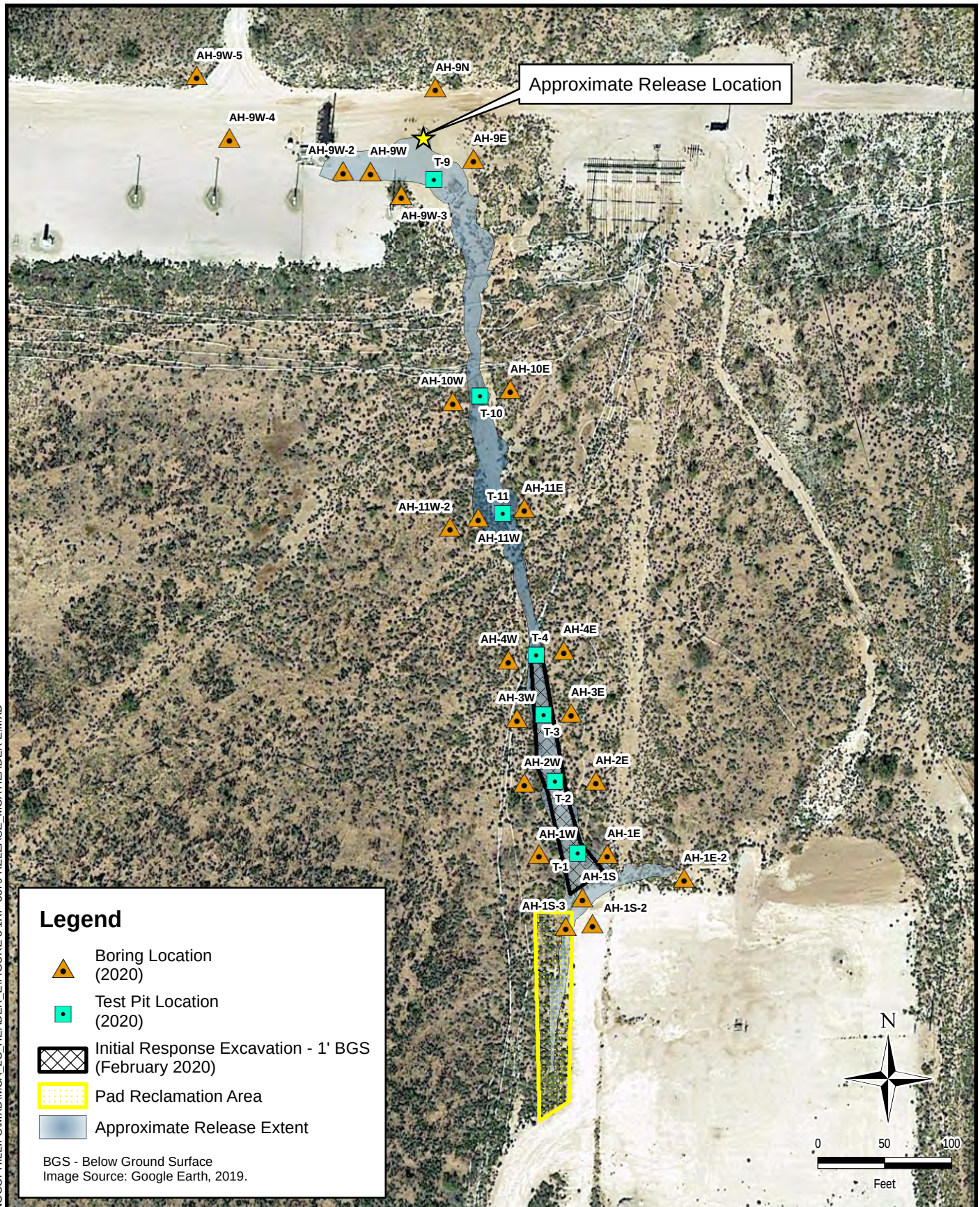
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DESIGNED BY: AAM

Figure No.

**4**





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1RP-3579  
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LEA COUNTY, NEW MEXICO

MCA 2-C HEADER RELEASE  
REMEDATION AND RECLAMATION EXTENT

PROJECT NO.: 212C-MD-02119

DATE: SEPTEMBER 29, 2020

DESIGNED BY: AAM

Figure No.

5

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## **TABLES**



TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
INITIAL SOIL ASSESSMENT - 1RP-3579  
CONOCOPHILLIPS  
MCA-2C HEADER 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>                 |   |                                   |    |                                   |   |                            |  |
|-----------|-------------|-----------------|-------------------------|-------|-----------------------|---|-------------------|---|-----------|---|--------------|-----|---------------|---|------------|---|----------------------------------|---|-----------------------------------|----|-----------------------------------|---|----------------------------|--|
|           |             |                 |                         |       |                       |   | Benzene           |   | Toluene   |   | Ethylbenzene |     | Total Xylenes |   | Total BTEX |   | GRO                              |   | DRO                               |    | ORO                               |   | Total TPH<br>(GRO+DRO+ORO) |  |
|           |             |                 | Chloride                | PID   |                       |   | mg/kg             | Q | mg/kg     | Q | mg/kg        | Q   | mg/kg         | Q | mg/kg      | Q | C <sub>6</sub> - C <sub>10</sub> | Q | C <sub>10</sub> - C <sub>28</sub> | Q  | C <sub>28</sub> - C <sub>40</sub> | Q |                            |  |
|           |             | ft. bgs         | ppm                     |       | mg/kg                 | Q | mg/kg             | Q | mg/kg     | Q | mg/kg        | Q   | mg/kg         | Q | mg/kg      | Q | mg/kg                            | Q | mg/kg                             | Q  | mg/kg                             | Q | mg/kg                      |  |
| AH-1      | 10/17/18    | 0-1             | 540                     | 1.5   | 322                   |   | < 0.000421        |   | < 0.00132 |   | < 0.000558   |     | < 0.00503     |   | -          |   | 0.0228                           |   | 120                               | J3 | 203                               |   | 323                        |  |
|           |             | 1-2             | 561                     | 1.7   | 356                   |   | < 0.000418        |   | < 0.00131 |   | < 0.000554   |     | < 0.00500     |   | -          |   | 0.0227                           |   | 117                               | J3 | 191                               |   | 308                        |  |
|           |             | 2-3             | 3050                    | 2.2   | 3770                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
|           |             | 3-4             | 7400                    | 2.5   | 8550                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
|           |             | 4-5             | 4270                    | 2.7   | 5500                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
| AH-2      | 10/17/18    | 0-1             | 115                     | 2.3   | 25.1                  | B | < 0.000412        |   | < 0.00129 |   | < 0.000546   |     | < 0.00493     |   | -          |   | 0.0224                           |   | 8.53                              | J3 | 22.2                              |   | 30.8                       |  |
|           |             | 1-2             | 181                     | 2.2   | 49.3                  |   | < 0.000410        |   | < 0.00128 |   | < 0.000544   |     | < 0.00490     |   | -          |   | 0.0223                           |   | 1.65                              | J3 | 1.81                              | J | 3.48                       |  |
|           |             | 2-3             | 401                     | 2.4   | 173                   |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
|           |             | 3-4             | 630                     | 2.8   | 289                   |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
|           |             | 4-5             | 1140                    | 2.9   | 579                   |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
| AH-3      | 10/17/18    | 0-1             | 1480                    | 6.0   | 874                   |   | < 0.000444        |   | < 0.00139 |   | < 0.000588   |     | < 0.00531     |   | -          |   | 0.0488                           | J | 56                                | J3 | 67                                |   | 123                        |  |
|           |             | 1-2             | 2110                    | 5.5   | 1890                  |   | < 0.000438        |   | < 0.00137 |   | < 0.000580   |     | < 0.00523     |   | -          |   | 0.0238                           |   | 2.15                              | J  | 3.33                              | J | 5.50                       |  |
|           |             | 2-3             | 2890                    | 4.8   | 1930                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
|           |             | 3-4             | 3200                    | 5.0   | 4400                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
| AH-4      | 10/17/18    | 0-1             | 1550                    | 84.9  | 2110                  |   | < 0.000413        |   | < 0.00129 |   | 0.00186      | B J | 0.0154        |   | 0.0173     |   | 5.5600                           |   | 13600                             | J3 | 4400                              |   | 18006                      |  |
|           |             | 1-2             | 1889                    | 156.9 | 2610                  |   | < 0.000435        |   | < 0.00136 |   | < 0.000576   |     | 0.0102        |   | 0.0102     |   | 52.6000                          |   | 4600                              | J3 | 1290                              |   | 5943                       |  |
|           |             | 2-3             | 2010                    | 58.1  | 1780                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | 0.0465                           | J | 311                               |    | 101                               |   | 412                        |  |
|           |             | 3-4             | 1720                    | 56.7  | 2150                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | 0.0640                           | J | 595                               |    | 207                               |   | 802                        |  |
|           |             | 4-5             | 2020                    | 54.3  | 2980                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | 0.1690                           |   | 981                               |    | 327                               |   | 1308                       |  |
| AH-5      | 10/17/18    | 0-1             | 1200                    | 2.5   | 1280                  |   | < 0.000423        |   | < 0.00132 |   | < 0.000561   |     | < 0.00506     |   | -          |   | 0.0230                           |   | 2690                              | J3 | 1740                              |   | 4430                       |  |
|           |             | 1-2             | 2310                    | 3.6   | 2780                  |   | < 0.000435        |   | < 0.00136 |   | < 0.000576   |     | < 0.00519     |   | -          |   | 0.0236                           |   | 64.3                              | J3 | 52.3                              |   | 117                        |  |
|           |             | 2-3             | 2980                    | 5.5   | 4040                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
|           |             | 3-4             | 2790                    | 2.6   | 7940                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |
|           |             | 4-5             | 3910                    | 4.1   | 7040                  |   | --                |   | --        |   | --           |     | --            |   | -          |   | --                               |   | --                                |    | --                                |   | -                          |  |

TABLE 1  
SUMMARY OF ANALYTICAL RESULTS  
INITIAL SOIL ASSESSMENT - 1RP-3579  
CONOCOPHILLIPS  
MCA-2C HEADER 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> |     |                                  |      |        |                            |             |       |
|-----------|-------------|-----------------|-------------------------|-----|-----------------------|-----|-------------------|---|-----------|---|--------------|---|---------------|---|------------|-----|------------------|-----|----------------------------------|------|--------|----------------------------|-------------|-------|
|           |             |                 | Chloride                | PID |                       |     | Benzene           |   | Toluene   |   | Ethylbenzene |   | Total Xylenes |   | Total BTEX | GRO |                  | DRO |                                  | ORO  |        | Total TPH<br>(GRO+DRO+ORO) |             |       |
|           |             |                 |                         |     | ft. bgs               | ppm | mg/kg             | Q | mg/kg     | Q | mg/kg        | Q | mg/kg         | Q | mg/kg      | Q   | mg/kg            | Q   | Q <sub>6</sub> - C <sub>10</sub> | Q    | mg/kg  |                            | Q           | mg/kg |
| AH-6      | 10/17/18    | 0-1             | 638                     | 3.0 | 445                   |     | < 0.000446        |   | < 0.00139 |   | < 0.000591   |   | < 0.00533     |   | -          |     | 0.0242           |     | 1330                             | J3   | 753    |                            | <b>2083</b> |       |
|           |             | 1-2             | 1650                    | 4.6 | <b>1960</b>           |     | < 0.000435        |   | < 0.00136 |   | < 0.000576   |   | < 0.00520     |   | -          |     | 0.0236           |     | 24.8                             | J3   | 19.1   |                            | 43.9        |       |
|           |             | 2-3             | 2910                    | 4.1 | <b>5010</b>           |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 3-4             | 3410                    | 5.1 | <b>3790</b>           |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 4-5             | 5560                    | 4.4 | 7400                  |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
| AH-7      | 10/17/18    | 0-1             | 125                     | 3.0 | 224                   |     | < 0.000445        |   | < 0.00139 |   | < 0.000589   |   | < 0.00531     |   | -          |     | 0.0241           |     | 58.3                             |      | 96.7   | J3 J6                      | <b>155</b>  |       |
|           |             | 1-2             | 139                     | 3.4 | 71                    |     | < 0.000420        |   | < 0.00131 |   | < 0.000557   |   | < 0.00502     |   | -          |     | 0.0228           |     | 60.6                             |      | 130    | J3                         | <b>191</b>  |       |
|           |             | 2-3             | 160                     | 3.1 | 148                   |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 3-4             | 181                     | 3.2 | 157                   |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 4-5             | 225                     | 2.9 | 136                   |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
| AH-8      | 10/17/18    | 0-1             | 96                      | 4.1 | 141                   |     | < 0.000449        |   | < 0.00140 |   | < 0.000595   |   | < 0.00536     |   | -          |     | 0.0243           |     | 2.37                             | J J3 | 5.36   |                            | 7.75        |       |
|           |             | 1-2             | 198                     | 4.7 | 197                   |     | < 0.000439        |   | < 0.00137 |   | < 0.000582   |   | < 0.00524     |   | -          |     | 0.0238           |     | 1.77                             | J3   | 0.0903 | J                          | 1.88        |       |
|           |             | 2-3             | 362                     | 4.0 | 207                   |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 3-4             | 1810                    | 4.3 | <b>1490</b>           |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 4-5             | 2200                    | 4.6 | 3040                  |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
| AH-9      | 10/17/18    | 0-1             | 159                     | 3.4 | 44.4                  |     | < 0.000418        |   | < 0.00131 |   | < 0.000553   |   | < 0.00499     |   | -          |     | 0.0227           |     | 12.1                             | J3   | 23     |                            | 35.1        |       |
|           |             | 1-2             | 165                     | 3.0 | 9.73                  | B J | < 0.000408        |   | < 0.00127 |   | < 0.000540   |   | < 0.00487     |   | -          |     | 0.0221           |     | 2.42                             | J J3 | 9.11   |                            | 11.6        |       |
|           |             | 2-3             | 198                     | 2.9 | 15.1                  | B   | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 3-4             | 407                     | 3.4 | 151                   |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 4-5             | 740                     | 3.0 | 534                   |     | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
| AH-10     | 10/17/18    | 0-1             | 93.1                    | 3.9 | 8.87                  | B J | < 0.000419        |   | < 0.00131 |   | < 0.000555   |   | < 0.00500     |   | -          |     | 0.0227           |     | 6.74                             | J3   | 15.4   |                            | 22.2        |       |
|           |             | 1-2             | 120                     | 4.5 | 9.25                  | B J | < 0.000410        |   | < 0.00128 |   | < 0.000543   |   | < 0.00490     |   | -          |     | 0.0222           |     | 6.65                             | J3   | 15.7   |                            | 22.4        |       |
|           |             | 2-3             | 128                     | 2.8 | 11.2                  | B   | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 3-4             | 138                     | 3.5 | 17.9                  | B   | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |
|           |             | 4-5             | 141                     | 3.8 | 16.9                  | B   | --                |   | --        |   | --           |   | --            |   | -          |     | --               |     | --                               |      | --     |                            | -           |       |

## NOTES:

ft. Feet  
bgs Below ground surface  
mg/kg Milligrams per kilogram  
ppm Parts per million  
-- Not analyzed  
TPH Total Petroleum Hydrocarbons  
DRO Diesel Range Organics  
GRO Gasoline Range Organics  
ORO Oil Range Organics

**Bold and italicized values indicate exceedance of proposed RRALs**

- 1 Method 300.0  
2 Method 8260B  
3 Method 8015M

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



TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
ADDITIONAL SOIL ASSESSMENT - 1RP-3579  
CONOCOPHILLIPS  
MCA-2C HEADER RELEASE  
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth Interval | Field Screening Results |     | Chloride <sup>1</sup>            |                                   | BTEX <sup>2</sup>                 |       |           |       |              |       |               |       |            |       | TPH <sup>3</sup> |       |        |       |      |       |                         |   |
|-----------|-------------|-----------------------|-------------------------|-----|----------------------------------|-----------------------------------|-----------------------------------|-------|-----------|-------|--------------|-------|---------------|-------|------------|-------|------------------|-------|--------|-------|------|-------|-------------------------|---|
|           |             |                       | Chloride                | PID |                                  |                                   | Benzene                           |       | Toluene   |       | Ethylbenzene |       | Total Xylenes |       | Total BTEX |       | GRO <sup>4</sup> |       | DRO    |       | ORO  |       | Total TPH (GRO+DRO+ORO) |   |
|           |             |                       |                         |     | C <sub>3</sub> - C <sub>10</sub> | C <sub>10</sub> - C <sub>28</sub> | C <sub>28</sub> - C <sub>40</sub> | mg/kg | Q         | mg/kg | Q            | mg/kg | Q             | mg/kg | Q          | mg/kg | Q                | mg/kg | Q      | mg/kg | Q    | mg/kg |                         | Q |
| T-1       | 3/3/2020    | 1-2                   | 395                     | 0.1 | 243                              |                                   | < 0.00112                         |       | < 0.00562 |       | < 0.00281    |       | < 0.00731     |       | -          |       | < 0.114          |       | 6.05   |       | 16.3 |       | 22.4                    |   |
|           |             | 3-4                   | 390                     | -   | 130                              |                                   | < 0.00129                         |       | < 0.00643 |       | < 0.00321    |       | < 0.00836     |       | -          |       | < 0.130          |       | < 5.14 |       | 1.31 | J     | 1.31                    |   |
|           |             | 5-6                   | 190                     | 0.0 | 34.9                             |                                   | < 0.00125                         |       | < 0.00626 |       | < 0.00313    |       | < 0.00814     |       | -          |       | < 0.110          |       | < 4.39 |       | 4.24 | J     | 4.24                    |   |
| AH-1E     | 3/3/2020    | 0-1                   | 100                     | 0.0 | 8.57                             | B J                               | < 0.00102                         |       | < 0.00510 |       | < 0.00255    |       | < 0.00664     |       | -          |       | < 0.102          |       | 16.0   |       | 42.3 |       | 58.3                    |   |
|           |             | 3-4                   | 26                      | 0.0 | 51.6                             |                                   | < 0.00109                         |       | < 0.00544 |       | < 0.00272    |       | < 0.00707     |       | -          |       | < 0.109          |       | 5.27   |       | 19.8 |       | 25.1                    |   |
| AH-1E-2   | 7/23/2020   | 0-1                   | 62.4                    | 1.8 | < 21.2                           |                                   | < 0.00106                         |       | < 0.00531 |       | < 0.00265    |       | < 0.00690     |       | -          |       | < 0.106          |       | < 4.24 |       | 1.59 | J     | 1.59                    |   |
|           |             | 2-3                   | 49.4                    | 2.2 | < 21.0                           |                                   | < 0.00105                         |       | < 0.00526 |       | < 0.00263    |       | < 0.00684     |       | -          |       | < 0.105          |       | < 4.21 |       | 3.96 | J     | 3.96                    |   |
| AH-1S     | 3/3/2020    | 0-1                   | 120                     | 0.0 | 11.0                             | B                                 | < 0.00125                         |       | < 0.00627 |       | < 0.00313    |       | < 0.00815     |       | -          |       | < 0.104          |       | 19.1   | J     | 41.4 | J     | 60.5                    |   |
|           |             | 3-4                   | 95                      | -   | 20.6                             |                                   | < 0.00106                         |       | < 0.00532 |       | < 0.00266    |       | < 0.00691     |       | -          |       | < 0.106          |       | 67.8   |       | 74.6 |       | 142                     |   |
| AH-1S-2   | 7/8/2020    | 0-1                   | 225                     | 0.0 | < 21.4                           |                                   | < 0.00107                         |       | < 0.00535 |       | < 0.00268    |       | < 0.00696     |       | -          |       | < 0.107          |       | 3.23   | J     | 14.3 |       | 17.5                    |   |
|           |             | 2-3                   | 90                      | 0.0 | < 20.7                           |                                   | < 0.00104                         |       | < 0.00519 |       | < 0.00259    |       | < 0.00674     |       | -          |       | < 0.104          |       | 2.53   | J     | 11.7 |       | 14.2                    |   |
| AH-1S-3   | 7/24/2020   | 0-1                   | 62.6                    | 3.2 | < 24.2                           |                                   | < 0.00142                         |       | < 0.00711 |       | < 0.00356    |       | < 0.00925     |       | -          |       | 0.0703           | J V3  | < 4.84 |       | 1.43 | J     | 1.50                    |   |
|           |             | 2-3                   | 231                     | 4.6 | 120                              |                                   | < 0.00103                         |       | < 0.00514 |       | < 0.00257    |       | < 0.00669     |       | -          |       | < 0.103          |       | < 4.12 |       | 1.75 | J     | 1.75                    |   |
|           |             | 4-5                   | 2810                    | 1.5 | 3250                             |                                   | < 0.00172                         |       | < 0.00861 |       | < 0.00431    |       | < 0.0112      |       | -          |       | < 0.110          |       | < 4.42 |       | 4.11 | J     | 4.11                    |   |
| AH-1S-4   | 7/24/2020   | 0-1                   | 98.1                    | 1.1 | 31.1                             |                                   | < 0.00110                         |       | < 0.00550 |       | < 0.00275    |       | < 0.00715     |       | -          |       | < 0.111          |       | 8.26   |       | 28.2 |       | 36.5                    |   |
|           |             | 2-3                   | 73.2                    | 1.2 | 35.9                             |                                   | < 0.00130                         |       | < 0.00651 |       | < 0.00325    |       | < 0.00846     |       | -          |       | < 0.115          |       | < 4.60 |       | 1.43 | J     | 1.43                    |   |
|           |             | 4-5                   | 109                     | 1.1 | 25.6                             |                                   | < 0.00107                         |       | < 0.00533 |       | < 0.00266    |       | < 0.0069      |       | -          |       | < 0.107          |       | < 4.26 |       | 4.00 | J     | 4.00                    |   |
| AH-1W     | 3/3/2020    | 0-1                   | 27                      | 0.0 | 1.45                             | B J                               | < 0.00103                         |       | < 0.00515 |       | < 0.00257    |       | < 0.00669     |       | -          |       | < 0.103          |       | < 4.12 |       | 5.88 |       | 5.88                    |   |
|           |             | 3-4                   | 56                      | 0.0 | 9.36                             | B J                               | < 0.00106                         |       | < 0.00528 |       | < 0.00264    |       | < 0.00686     |       | -          |       | < 0.106          |       | < 4.22 |       | 2.57 | B J   | 2.57                    |   |
| T-2       | 3/3/2020    | 1-2                   | 400                     | 0.0 | 131                              |                                   | < 0.00106                         |       | < 0.00530 |       | 0.000906     | J     | 0.0103        |       | 0.0112     |       | 0.0254           | J     | 458    |       | 445  |       | 903                     |   |
|           |             | 3-4                   | 200                     | -   | 190                              |                                   | < 0.00112                         |       | < 0.00561 |       | < 0.00281    |       | < 0.00730     |       | -          |       | 0.0308           | J     | 43.9   |       | 35.7 |       | 79.6                    |   |
|           |             | 5-6                   | 315                     | -   | 125                              |                                   | < 0.00109                         |       | < 0.00544 |       | < 0.00272    |       | < 0.00707     |       | -          |       | 0.0257           | J     | 63.0   |       | 48.8 |       | 112                     |   |
| AH-2E     | 3/3/2020    | 0-1                   | 58                      | 0.0 | 1.77                             | B J                               | < 0.00205                         |       | < 0.0103  |       | < 0.00513    |       | < 0.0133      |       | -          |       | < 0.103          | J3    | < 4.10 |       | 1.34 | J     | 1.34                    |   |
|           |             | 3-4                   | 26                      | -   | 1.79                             | B J                               | < 0.00120                         |       | < 0.00601 |       | < 0.00300    |       | < 0.00781     |       | -          |       | < 0.120          | J3    | < 4.81 |       | 1.44 | J     | 1.44                    |   |
| AH-2W     | 3/3/2020    | 0-1                   | 54                      | 0.0 | 4.90                             | B J                               | < 0.00101                         |       | < 0.00505 |       | < 0.00252    |       | < 0.00656     |       | -          |       | < 0.101          | J3    | 1.79   | J     | 10.6 |       | 12.4                    |   |
|           |             | 3-4                   | 480                     | -   | 137                              |                                   | < 0.00106                         |       | < 0.00530 |       | < 0.00265    |       | < 0.00689     |       | -          |       | < 0.106          | J3    | < 4.24 |       | 4.13 | J     | 4.13                    |   |
| T-3       | 3/4/2020    | 1-2                   | 1929                    | 499 | 970                              |                                   | 0.000746                          | J     | < 0.00533 |       | < 0.00267    |       | < 0.00693     |       | 0.000746   |       | 2.83             | J3    | 489    |       | 270  |       | 762                     |   |
|           |             | 3-4                   | 2400                    | 4.8 | 3100                             |                                   | < 0.00113                         |       | < 0.00567 |       | < 0.00283    |       | < 0.00737     |       | -          |       | < 0.113          | J3    | < 4.53 |       | 2.42 | J     | 2.42                    |   |
|           |             | 5-6                   | 1200                    | 2.2 | --                               |                                   | --                                |       | --        |       | --           |       | --            |       | -          |       | --               |       | --     |       | --   |       | -                       |   |
|           |             | 6-7                   | 1250                    | 3.0 | 1140                             |                                   | < 0.00108                         |       | < 0.00538 |       | < 0.00269    |       | < 0.00700     |       | -          |       | < 0.108          | J3    | 2.12   | J     | 1.64 | J     | 3.76                    |   |
|           |             | 8-9                   | 1220                    | -   | --                               |                                   | --                                |       | --        |       | --           |       | --            |       | -          |       | --               |       | --     |       | --   |       | -                       |   |
| AH-3E     | 3/4/2020    | 0-1                   | 54                      | 0.0 | 2.50                             | B J                               | < 0.00109                         |       | < 0.00544 |       | < 0.00272    |       | < 0.00707     |       | -          |       | < 0.109          |       | 2.49   | J     | 8.59 |       | 11.1                    |   |
|           |             | 3-4                   | 120                     | -   | 6.75                             | B J                               | < 0.00104                         |       | < 0.00522 |       | < 0.00261    |       | < 0.00678     |       | -          |       | < 0.104          |       | < 4.17 |       | 5.17 |       | 5.17                    |   |
| AH-3W     | 7/24/2020   | 0-1                   | 89.4                    | 2.7 | < 20.6                           |                                   | < 0.00114                         |       | < 0.00571 |       | < 0.00286    |       | < 0.00743     |       | -          |       | < 0.103          |       | 5.95   | J     | 31.0 |       | 37.0                    |   |
|           |             | 2-3                   | 158                     | 3.1 | 40.0                             |                                   | < 0.00102                         |       | < 0.00512 |       | < 0.00256    |       | < 0.00666     |       | -          |       | < 0.102          |       | < 12.2 |       | 19.8 |       | 19.8                    |   |

TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
ADDITIONAL SOIL ASSESSMENT - 1RP-3579  
CONOCOPHILLIPS  
MCA-2C HEADER RELEASE  
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth Interval | Field Screening Results |       | Chloride <sup>1</sup> |     | BTEX <sup>2</sup>                |    |                                   |    |                                   |    |               |    |            |   | TPH <sup>3</sup> |     |        |      |       |    |                         |       |
|-----------|-------------|-----------------------|-------------------------|-------|-----------------------|-----|----------------------------------|----|-----------------------------------|----|-----------------------------------|----|---------------|----|------------|---|------------------|-----|--------|------|-------|----|-------------------------|-------|
|           |             |                       |                         |       |                       |     | Benzene                          |    | Toluene                           |    | Ethylbenzene                      |    | Total Xylenes |    | Total BTEX |   | GRO <sup>4</sup> |     | DRO    |      | ORO   |    | Total TPH (GRO+DRO+ORO) |       |
|           |             |                       | Chloride                | PID   |                       |     | C <sub>3</sub> - C <sub>10</sub> |    | C <sub>10</sub> - C <sub>28</sub> |    | C <sub>28</sub> - C <sub>40</sub> |    | mg/kg         | Q  | mg/kg      | Q | mg/kg            | Q   | mg/kg  | Q    | mg/kg | Q  |                         | mg/kg |
|           |             | 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                   |       |
| T-4       | 3/4/2020    | 1-2                   | 2500                    | 547.0 | 988                   |     | < 0.00109                        |    | < 0.00543                         |    | < 0.00272                         |    | < 0.00706     |    | -          |   | < 0.109          |     | 295    |      | 214   |    | 509                     |       |
|           |             | 2-4                   | 4750                    | 3.7   | --                    |     | --                               |    | --                                |    | --                                |    | --            |    | -          |   | --               |     | --     |      | --    |    | -                       |       |
|           |             | 5-6                   | 6600                    | 1.3   | 5780                  |     | < 0.00109                        |    | < 0.00543                         |    | < 0.00272                         |    | < 0.00706     |    | -          |   | < 0.109          |     | < 4.35 |      | 0.399 | J  | 0.399                   |       |
|           |             | 8-9                   | 5500                    | -     | 5290                  |     | < 0.00108                        |    | < 0.00542                         |    | < 0.00271                         |    | < 0.00704     |    | -          |   | < 0.108          |     | 11.6   |      | 10.1  |    | 21.7                    |       |
| AH-4E     | 3/3/2020    | 0-1                   | 36                      | 0.1   | 2.79                  | B J | < 0.00104                        |    | < 0.00521                         |    | < 0.00261                         |    | < 0.00678     |    | -          |   | 0.0568           | B J | 7.86   |      | 29.7  |    | 37.6                    |       |
|           |             | 3-4                   | 1400                    | 0.0   | 106                   |     | < 0.00105                        |    | < 0.00526                         |    | < 0.00263                         |    | < 0.00683     |    | -          |   | 0.0258           | J   | 8.59   |      | 30.2  |    | 38.8                    |       |
| AH-4W     | 3/3/2020    | 0-1                   | 23                      | 0.0   | 2.64                  | B J | < 0.00104                        |    | < 0.00521                         |    | < 0.00260                         |    | < 0.00677     |    | -          |   | 0.0422           | B J | 7.90   |      | 28.0  |    | 35.9                    |       |
|           |             | 3-4                   | 695                     | 0.0   | 285                   |     | < 0.00106                        |    | < 0.00530                         |    | < 0.00265                         |    | < 0.00689     |    | -          |   | < 0.106          |     | 2.16   | J    | 7.64  |    | 9.80                    |       |
| T-9       | 3/6/2020    | 1-2                   | 3100                    | 2.0   | 4360                  |     | < 0.00107                        |    | < 0.00537                         |    | < 0.00268                         |    | < 0.00698     |    | -          |   | 0.0496           | B J | 176    |      | 390   |    | 566                     |       |
|           |             | 3-4                   | 3950                    | 0.1   | 3800                  |     | < 0.00107                        |    | < 0.00535                         |    | < 0.00268                         |    | < 0.00696     |    | -          |   | 0.0451           | B J | 80.3   |      | 172   |    | 252                     |       |
|           |             | 5-6                   | -                       | 0.0   | --                    |     | --                               |    | --                                |    | --                                |    | --            |    | -          |   | --               |     | --     |      | --    |    | -                       |       |
|           |             | 7-8                   | -                       | 0.0   | 6720                  |     | < 0.00107                        |    | < 0.00536                         |    | < 0.00268                         |    | < 0.00697     |    | -          |   | 0.0327           | B J | 7.34   |      | 13.7  |    | 21.1                    |       |
|           | 3/10/2020   | 9-10                  | 4000                    | 0.0   | 4830                  |     | < 0.00106                        |    | < 0.00531                         |    | < 0.00265                         |    | < 0.00690     |    | -          |   | 0.0665           | B J | 6.42   |      | 12.8  |    | 19.3                    |       |
|           |             | 16                    | 2300                    | 0.0   | --                    |     | --                               |    | --                                |    | --                                |    | --            |    | -          |   | --               |     | --     |      | --    |    | -                       |       |
|           |             | 16-17                 | -                       | -     | 2690                  |     | < 0.00110                        |    | < 0.00552                         |    | < 0.00276                         |    | < 0.00718     |    | -          |   | < 0.110          |     | < 4.42 |      | 1.60  | J  | 1.60                    |       |
|           |             | 17.5                  | 2200                    | -     | --                    |     | --                               |    | --                                |    | --                                |    | --            |    | -          |   | --               |     | --     |      | --    |    | -                       |       |
| AH-9N     | 7/8/2020    | 0-1                   | 144                     | 0.0   | < 21.5                |     | < 0.00108                        |    | < 0.00538                         |    | < 0.00269                         |    | < 0.00700     |    | -          |   | < 0.108          |     | 10.1   |      | 36.3  |    | 46.4                    |       |
|           |             | 2-3                   | 127                     | 0.0   | 13.1                  | J   | < 0.00101                        |    | < 0.00505                         |    | < 0.00252                         |    | < 0.00656     |    | -          |   | < 0.101          |     | 4.35   |      | 28.2  |    | 32.6                    |       |
| AH-9E     | 3/6/2020    | 0-1                   | 128                     | 0.1   | 69.4                  |     | < 0.00102                        |    | < 0.00510                         |    | < 0.00255                         |    | < 0.00663     |    | -          |   | 0.189            | B   | < 4.08 |      | 5.53  |    | 5.72                    |       |
|           |             | 3-4                   | 375                     | 0.0   | 248                   |     | < 0.00103                        |    | < 0.00517                         |    | < 0.00259                         |    | < 0.00672     |    | -          |   | 0.0414           | B J | < 4.14 |      | 2.71  | J  | 2.75                    |       |
| AH-9W     | 3/6/2020    | 0-1                   | 400                     | 0.0   | 295                   |     | < 0.00106                        |    | < 0.00530                         |    | < 0.00265                         |    | < 0.00689     |    | -          |   | 0.0606           | B J | 949    |      | 1920  |    | 2869                    |       |
|           |             | 3-4                   | 375                     | 0.1   | 302                   |     | < 0.00104                        |    | < 0.00519                         |    | < 0.00259                         |    | < 0.00675     |    | -          |   | 0.0505           | B J | 1.94   | J    | 7.12  |    | 9.11                    |       |
| AH-9W-2   | 7/8/2020    | 0-1                   | 361                     | 0.1   | 49.4                  |     | < 0.00100                        |    | < 0.00502                         |    | < 0.00251                         |    | < 0.00652     |    | -          |   | < 0.100          |     | 21.6   |      | 97.3  |    | 119                     |       |
|           |             | 2-3                   | 411                     | 0.0   | --                    |     | --                               |    | --                                |    | --                                |    | --            |    | -          |   | --               |     | --     |      | --    |    | -                       |       |
| AH-9W-3   | 7/23/2020   | 0-1                   | 139                     | 6.1   | 38.3                  |     | < 0.00102                        |    | < 0.00508                         |    | < 0.00254                         |    | < 0.00661     |    | -          |   | < 0.102          |     | 4.00   | J    | 15.4  |    | 19.4                    |       |
|           |             | 2-3                   | 242                     | 4.2   | 121                   |     | < 0.00104                        |    | < 0.00522                         |    | < 0.00261                         |    | < 0.00678     |    | -          |   | < 0.104          |     | < 12.3 |      | 9.73  | J  | 9.73                    |       |
| AH-9W-4   | 7/23/2020   | 0-1                   | 142                     | 4.6   | 67.2                  |     | < 0.00130                        | T8 | < 0.00650                         | T8 | < 0.00325                         | T8 | < 0.00845     | T8 | -          |   | < 0.115          | T8  | 20.1   | T8   | 75.2  | T8 | 95.3                    |       |
|           |             | 2-3                   | 541                     | 5.1   | 369                   |     | < 0.00168                        | T8 | < 0.00842                         | T8 | < 0.00421                         | T8 | < 0.0109      | T8 | -          |   | < 0.134          | T8  | < 5.37 | T8   | 6.99  | T8 | 6.99                    |       |
| AH-9W-5   | 7/23/2020   | 0-1                   | 67.4                    | 3.7   | < 20.5                |     | < 0.00102                        | T8 | < 0.00512                         | T8 | < 0.00256                         | T8 | < 0.00665     | T8 | -          |   | < 0.102          | T8  | 1.76   | J T8 | 22.8  | T8 | 24.6                    |       |
|           |             | 2-3                   | 112                     | 1.8   | < 20.5                |     | < 0.00103                        | T8 | < 0.00513                         | T8 | < 0.00256                         | T8 | < 0.00667     | T8 | -          |   | < 0.103          | T8  | 2.49   | J T8 | 26.7  | T8 | 29.2                    |       |



TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
ADDITIONAL SOIL ASSESSMENT - 1RP-3579  
CONOCOPHILLIPS  
MCA-2C HEADER RELEASE  
LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth Interval | Field Screening Results |     | Chloride <sup>1</sup> |           | BTEX <sup>2</sup> |           |           |           |              |           |               |    |            |         | TPH <sup>3</sup>                 |                                   |                                   |       |      |       |                         |  |
|-----------|-------------|-----------------------|-------------------------|-----|-----------------------|-----------|-------------------|-----------|-----------|-----------|--------------|-----------|---------------|----|------------|---------|----------------------------------|-----------------------------------|-----------------------------------|-------|------|-------|-------------------------|--|
|           |             |                       | Chloride                | PID |                       |           | Benzene           |           | Toluene   |           | Ethylbenzene |           | Total Xylenes |    | Total BTEX |         | GRO <sup>4</sup>                 |                                   | DRO                               |       | ORO  |       | Total TPH (GRO+DRO+ORO) |  |
|           |             | ft. bgs               | ppm                     |     | mg/kg                 | Q         | mg/kg             | Q         | mg/kg     | Q         | mg/kg        | Q         | mg/kg         | Q  | mg/kg      | Q       | C <sub>3</sub> - C <sub>10</sub> | C <sub>10</sub> - C <sub>28</sub> | C <sub>28</sub> - C <sub>40</sub> |       |      |       |                         |  |
| T-10      | 3/9/2020    | 1-2                   | 1750                    | 0.1 | 838                   |           | < 0.00109         |           | < 0.00544 |           | < 0.00272    |           | < 0.00707     |    | -          | 0.0648  | B J                              | 20.4                              |                                   | 36.3  |      | 56.8  |                         |  |
|           |             | 3-4                   | 2280                    | 0.1 | --                    |           | --                |           | --        |           | --           |           | --            |    | --         | --      |                                  | --                                |                                   | --    |      | -     |                         |  |
|           |             | 5-6                   | 2500                    | 0.1 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | -     |                         |  |
|           |             | 7-8                   | 3500                    | 0.1 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | -     |                         |  |
|           |             | 9-10                  | 1200                    | 0.1 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | -     |                         |  |
|           |             | 11-12                 | 1200                    | 0.1 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | -     |                         |  |
|           |             | 13-14                 | 1250                    | 0.1 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | -     |                         |  |
|           | 14-15       | 400                   | 0.1                     | 432 |                       | < 0.00105 |                   | < 0.00523 |           | < 0.00262 |              | < 0.00680 |               | -  | < 0.105    |         | < 4.19                           |                                   | 1.57                              | J     | 1.57 |       |                         |  |
| 3/10/2020 | 15          | 419                   | 0.0                     | --  |                       | --        |                   | --        |           | --        |              | --        |               | -  | --         |         | --                               |                                   | --                                |       | -    |       |                         |  |
| AH-10E    | 3/9/2020    | 0-1                   | 29                      | 0.0 | 2.92                  | B J       | < 0.00101         |           | < 0.00506 |           | < 0.00253    |           | < 0.00657     |    | -          | 0.0670  | B J                              | < 4.05                            |                                   | 7.73  |      | 7.80  |                         |  |
|           |             | 3-4                   | 67                      | 0.0 | 3.32                  | B J       | < 0.00103         |           | < 0.00517 |           | < 0.00259    |           | < 0.00673     |    | -          | 0.0556  | B J                              | 3.79                              | J                                 | 18.2  |      | 22.0  |                         |  |
| AH-10W    | 3/9/2020    | 0-1                   | 35                      | 0.0 | 2.67                  | B J       | < 0.00101         |           | < 0.00507 |           | < 0.00253    |           | < 0.00659     |    | -          | 0.0675  | B J                              | 1.91                              | J                                 | 8.03  |      | 10.0  |                         |  |
|           |             | 3-4                   | 58                      | 0.0 | 3.96                  | B J       | < 0.00104         |           | < 0.00521 |           | < 0.00261    |           | < 0.00677     |    | -          | 0.0729  | B J                              | 2.15                              | J                                 | 8.49  |      | 10.7  |                         |  |
| T-11      | 3/10/2020   | 1-2                   | 1200                    | 0.3 | 225                   |           | < 0.00121         |           | < 0.00603 |           | < 0.00302    |           | < 0.00784     |    | -          | 0.177   |                                  | 11.8                              |                                   | 14.2  |      | 26.2  |                         |  |
|           |             | 3-4                   | 1900                    | 0.0 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | --    |                         |  |
|           |             | 5-6                   | 2400                    | 0.0 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | --    |                         |  |
|           |             | 7-8                   | 1200                    | 0.0 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | --    |                         |  |
|           |             | 9-10                  | 1250                    | 0.0 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | -     |                         |  |
|           |             | 14-15                 | 450                     | 0.0 | 545                   |           | < 0.00105         |           | < 0.00526 |           | < 0.00263    |           | < 0.00683     |    | -          | 0.0631  | B J                              | < 4.20                            |                                   | 0.557 | J    | 0.620 |                         |  |
|           |             | 15                    | 450                     | 0.0 | --                    |           | --                |           | --        |           | --           |           | --            |    | -          | --      |                                  | --                                |                                   | --    |      | --    |                         |  |
| AH-11E    | 3/10/2020   | 0-1                   | 54                      | 0.1 | 3.39                  | B J       | < 0.00105         |           | < 0.00524 |           | < 0.00262    |           | < 0.00681     |    | -          | < 0.105 |                                  | 8.83                              |                                   | 28.8  |      | 37.6  |                         |  |
|           |             | 3-4                   | 325                     | 0.0 | 45.7                  |           | < 0.00107         |           | < 0.00535 |           | < 0.00267    |           | < 0.00695     |    | -          | < 0.107 |                                  | 2.82                              | J                                 | 16.5  |      | 19.3  |                         |  |
| AH-11W    | 3/10/2020   | 0-1                   | 38                      | 0.1 | 3030                  |           | < 0.00107         |           | < 0.00534 |           | < 0.00267    |           | < 0.00695     |    | -          | < 0.107 |                                  | 2.46                              | J                                 | 10.8  |      | 13.3  |                         |  |
|           |             | 3-4                   | 413                     | 0.0 | 42.6                  |           | < 0.00107         | J3        | < 0.00537 | J3        | < 0.00268    | J3        | < 0.00697     | J3 | -          | < 0.107 |                                  | < 4.29                            |                                   | 5.92  |      | 5.92  |                         |  |
| AH-11W-2  | 7/8/2020    | 0-1                   | 106                     | 0.7 | < 20.1                |           | < 0.00100         |           | < 0.00501 |           | < 0.00251    |           | < 0.00652     |    | -          | < 0.100 |                                  | 6.11                              |                                   | 33.6  |      | 39.7  |                         |  |
|           |             | 2-3                   | 76                      | 2.1 | < 22.8                |           | < 0.00129         |           | < 0.00643 |           | < 0.00322    |           | < 0.00836     |    | -          | < 0.114 |                                  | 5.65                              |                                   | 23.5  |      | 29.2  |                         |  |

## NOTES:

ft. Feet  
bgs Below ground surface  
ppm Parts per million  
mg/kg Milligrams per kilogram  
'-- Not sampled  
NA Sample not analyzed  
TPH Total Petroleum Hydrocarbons  
GRO Gasoline range organics  
DRO Diesel range organics  
ORO Oil range organics  
1 EPA Method 300.0  
2 EPA Method 8260B  
3 EPA Method 8015  
4 EPA Method 8015D/GRO

**Bold and italicized values indicate exceedance of proposed RRALs**

## 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.  
J3 The associated batch QC was outside established quality control range for precision.  
T8 Sample(s) received past/too close to holding time expiration.  
V3 The internal standard exhibited poor recovery due to sample matrix interference.  
The analytical results will be biased high. BDL results will be unaffected.

## **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>Jay Garcia</b>        |
| Address: <b>29 Vacuum Complex Lane</b> | Telephone No. <b>575-704-2455</b> |
| Facility Name: <b>MCA 2C header</b>    | Facility Type: <b>Well</b>        |
| Surface Owner: <b>NMOCD</b>            | Mineral Owner: <b>BLM</b>         |
| API No. <b>30-025-39356</b>            |                                   |

### LOCATION OF RELEASE

| Unit Letter | Section | Township | Range | Feet from the | North/South Line | Feet from the | East/West Line | County |
|-------------|---------|----------|-------|---------------|------------------|---------------|----------------|--------|
| J           | 28      | 17S      | 32E   | 0             | South            | 1830          | West           | LEA    |

Latitude 32.810935448197 Longitude 103.730660546581

### NATURE OF RELEASE

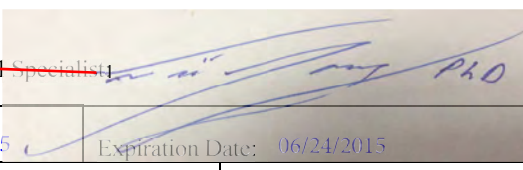
|                                                                                                                                          |                                                                                                                                                            |                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------|
| Type of Release: <b>Spill</b>                                                                                                            | Volume of Release:<br>20.5 BO/77.5 BPW                                                                                                                     | Volume Recovered:<br>18 BO/67 BPW                 |
| Source of Release: Production trunk line.                                                                                                | Date and Hour of Occurrence<br>03/10/2015 10:15 am                                                                                                         | Date and Hour of Discovery<br>03/10/2015 10:15 am |
| Was Immediate Notice Given?<br><input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required | If YES, To Whom?<br><b>Tomas Oberding and Sol Hughes</b>                                                                                                   |                                                   |
| By Whom? <b>Jay Garcia</b>                                                                                                               | Date and Hour: <b>03/10/2015 3:15 pm</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.*                                                                                          | <div style="border: 1px solid black; padding: 5px; text-align: center;"> <b>RECEIVED</b><br/> <i>By OCD; Dr. Oberding at 12:17 pm, Mar 24, 2015</i> </div> |                                                   |
| Describe Area Affected and Cleanup Action Taken.*                                                                                        |                                                                                                                                                            |                                                   |

Describe Area Affected and Cleanup Action Taken.\*

ENV – Agency Reportable – 20.5 BO & 77.5 BPW – MCA 2C Header – RR II – MCBU – Maljamar – On Tuesday March 10, 2015 at 1015 MDT, at the MCA 2C Header, an MSO identified a production trunk line leak resulting in a release of 20.5 bbl. of oil and 77.5 bbl. of produced water. Immediate action was to contact supervision. 18 bbl. of oil and 67 bbl. of produced water were recovered. Location will be remediated according to COPC, NMOCD and BLM guidelines.

Consequence: 2, Likelihood: 3, RR: II

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.

|                                                        |                                                                                                     |                                      |                                                                                       |
|--------------------------------------------------------|-----------------------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|
|                                                        |                                                                                                     | <b>OIL CONSERVATION DIVISION</b>     |                                                                                       |
| Signature: <i>Jay Garcia</i>                           |                                                                                                     | Hydrologist                          |  |
| Printed Name: Jay Garcia                               |                                                                                                     | Approved by Environmental Specialist |                                                                                       |
| Title: LEAD HSE                                        |                                                                                                     | Approval Date: 03/24/2015            | Expiration Date: 06/24/2015                                                           |
| E-mail Address: <b>jay.c.garcia@conocophillips.com</b> | Conditions of Approval:<br>Site samples required. Delineate and remediate area as per NMOCD guides. |                                      | Attached <input type="checkbox"/><br><b>IRP-3579</b>                                  |

|                  |                    |        |
|------------------|--------------------|--------|
| Date: 01/06/2015 | Phone:575-704-2455 | 217817 |
|------------------|--------------------|--------|

\* Attach Additional Sheets If Necessary

nTO1508344498

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

## Site Assessment/Characterization

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

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

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

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

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

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

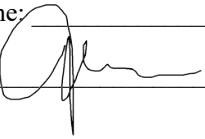


State of New Mexico  
Oil Conservation Division

Page 4

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature:  \_\_\_\_\_ Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

## Remediation Plan

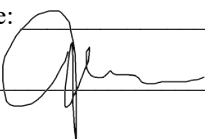
**Remediation Plan Checklist:** *Each of the following items must be included in the plan.*

- ☐ 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: \_\_\_\_\_ Title: \_\_\_\_\_  
Signature:  \_\_\_\_\_ Date: \_\_\_\_\_  
email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

Received by: \_\_\_\_\_ Date: \_\_\_\_\_

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

Signature:  \_\_\_\_\_ Date: 01/26/2022

## **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="#">RA 12721 POD2</a> | RA           | LE    |        | 1    | 1    | 4   | 28  | 17S | 32E | 615055 | 3630407 | 225      | 124        | 75          | 49           |
| <a href="#">RA 12721 POD3</a> | RA           | LE    |        | 2    | 3    | 4   | 28  | 17S | 32E | 615417 | 3629979 | 348      | 115        |             |              |
| <a href="#">RA 12721 POD1</a> | RA           | LE    |        | 3    | 2    | 3   | 28  | 17S | 32E | 614645 | 3630141 | 506      | 125        |             |              |
| <a href="#">RA 12721 POD5</a> | RA           | LE    |        | 2    | 4    | 4   | 28  | 17S | 32E | 615650 | 3629961 | 556      | 130        | 124         | 6            |
| <a href="#">RA 12721 POD4</a> | RA           | LE    |        | 1    | 1    | 2   | 33  | 17S | 32E | 615055 | 3629589 | 619      | 140        |             |              |

Average Depth to Water: **99 feet**

Minimum Depth: **75 feet**

Maximum Depth: **124 feet**

Record Count: 5

UTMNAD83 Radius Search (in meters):

**Easting (X):** 615148

**Northing (Y):** 3630202.324

**Radius:** 800

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.

9/30/20 9:05 PM

Page 1 of 1

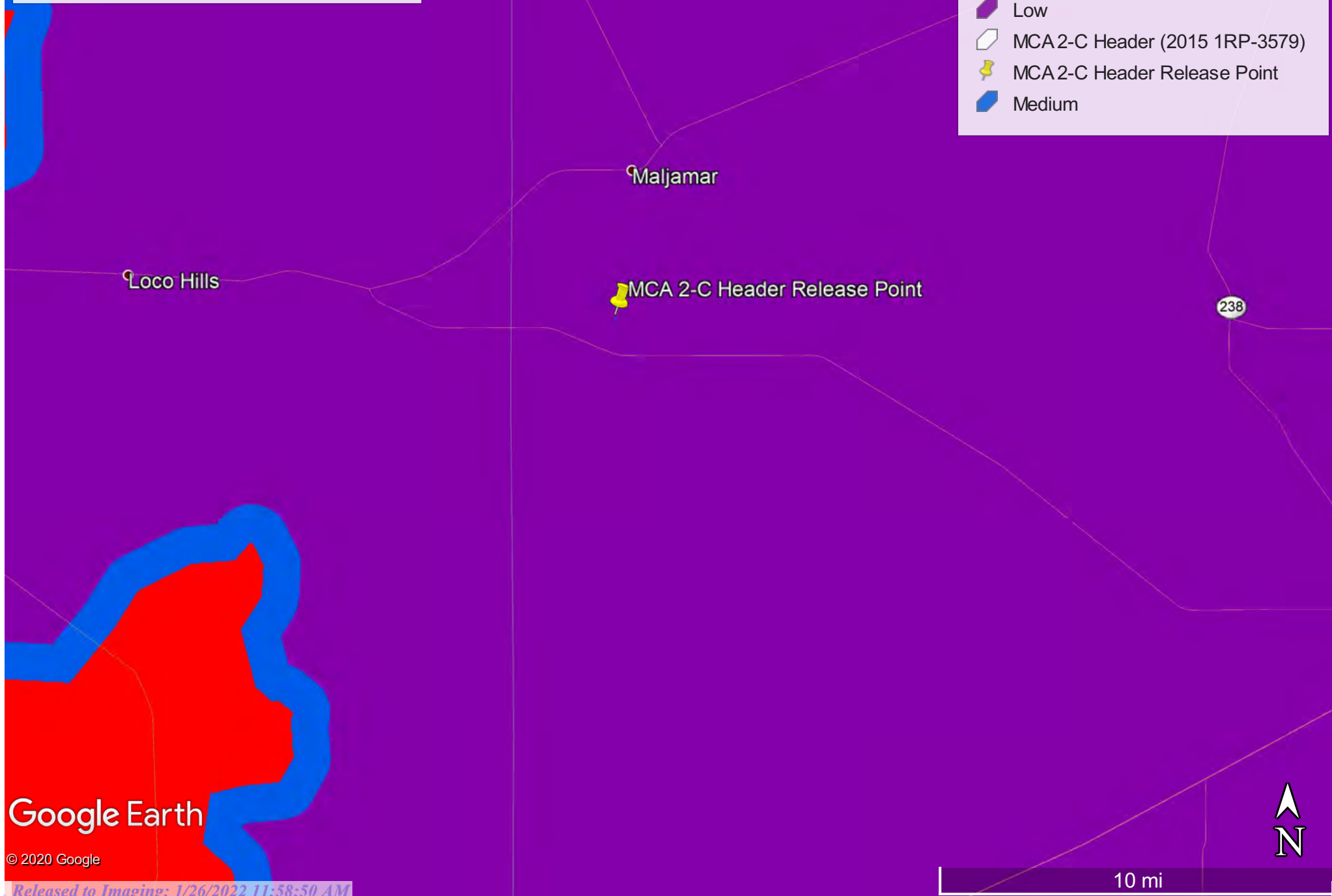
WATER COLUMN/ AVERAGE  
DEPTH TO WATER

# KARST POTENTIAL MAP

1RP-3579

## Legend

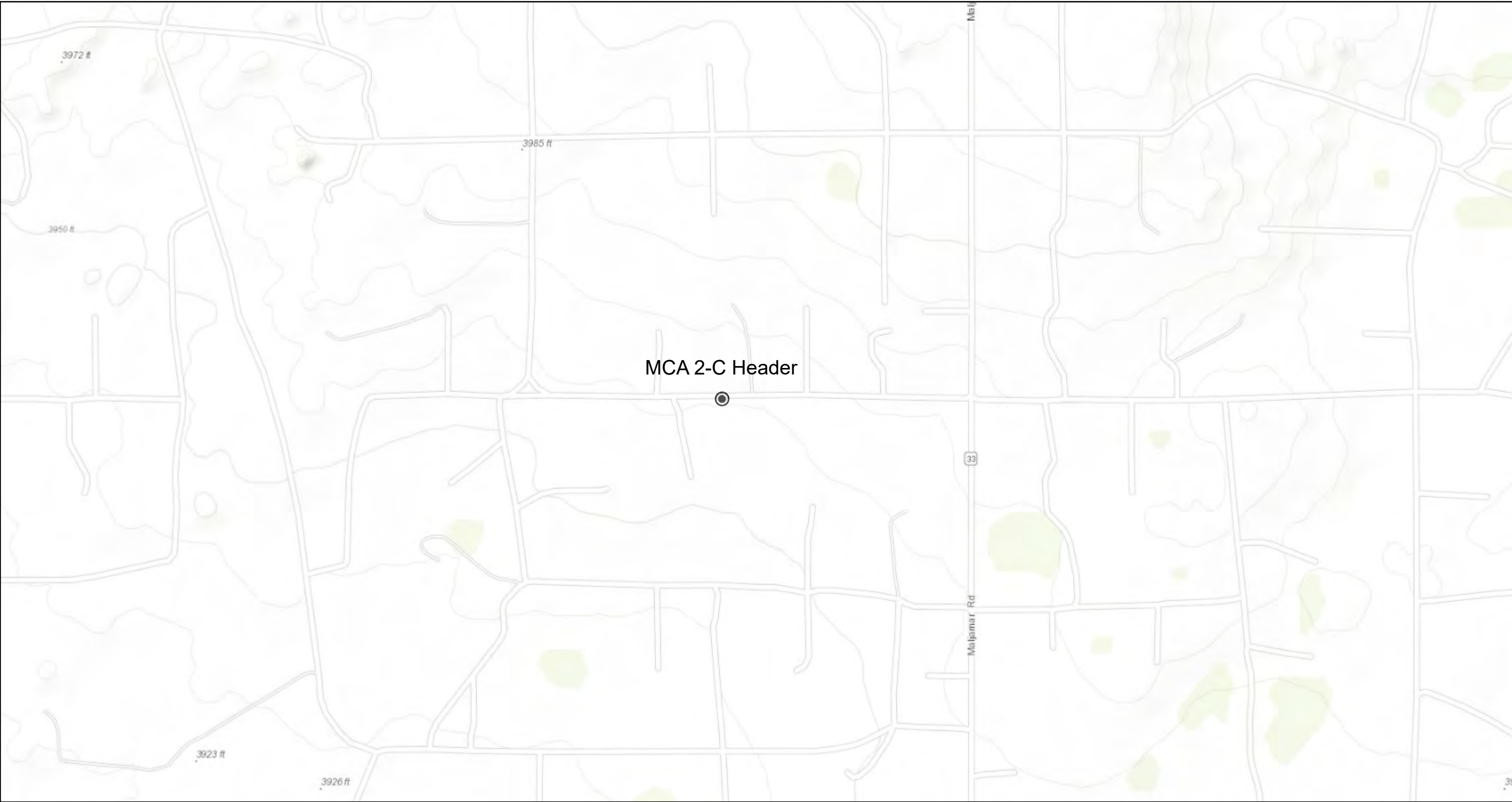
- Feature 1
- High
- Low
- MCA 2-C Header (2015 1RP-3579)
- MCA 2-C Header Release Point
- Medium



Google Earth

© 2020 Google

# MCA 2-C Header



3/27/2020, 12:37:39 PM

- 

Override 1
- 

New Mexico Counties
- 

New Mexico Towns
- 

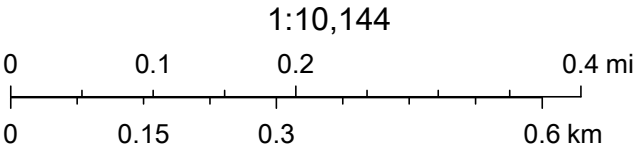
NMDOT GPS ROADS
- 

NMDOT Railroads
- 

OSE Water-bodies
- 

PLJV Probable Playas
- 

OSE Streams



US Census Bureau, NMDOT, Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO, NPS, NRCAN, GeoBase, IGN, Kadaster NL, Ordnance Survey, Esri Japan, METI, Esri China (Hong Kong), (c) OpenStreetMap contributors, and the



## **APPENDIX C**

### **Initial Extent and Screening**



Initial Sampling Data



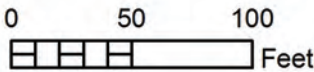
CONOCOPHILLIPS  
MCA 2-C HEADER

UL J & O SECTION 28  
T-17-S R-32-E  
LEA COUNTY, NM

Underground facilities are  
spatially projected  
and need to be field verified.

Legend

- ELECTRIC POLE
- SAMPLE POINT
- SOURCE
- TIN HORN
- BURIED PIPELINE
- OVERHEAD ELECTRIC LINE
- PIPE
- SURFACE PIPELINE
- NON LEAK AREA
- STAIN - 10.844 SQ FT
- TREATER
- ACTIVE MW
- REMOVED MW



GPS date: 3/11/15 JK  
Drawing date: 3/24/15  
Drafted by: T. Grieco, M. Grieco

| Vertical 3 |       |       |
|------------|-------|-------|
| Depth      | Cl-   | PID   |
| SS         | 9201  | 206.1 |
| 6"         | 6914  | 18.6  |
| 1'         | 7048  | 21.4  |
| 1.5'       | 6224  | 20.4  |
| 2'         | 10627 | 34.1  |
| 2.5'       | 8833  | 29.7  |
| 3'         | 9904  | 30.5  |
| 3.5'       | 10657 | 30.1  |
| 4'         | 11434 | 29.6  |

| Vertical 4 |       |      |
|------------|-------|------|
| Depth      | Cl-   | PID  |
| SS         | 5798  | 2.4  |
| 6"         | 5983  | 7    |
| 1'         | 6631  | 6.1  |
| 1.5'       | 6675  | 8.1  |
| 2'         | 7582  | 9.2  |
| 2.5'       | 9257  | 10.1 |
| 3'         | 9409  | 9.4  |
| 3.5'       | 10710 | 16.1 |
| 4'         | 12537 | 20.2 |

| Vertical 1 |      |       |
|------------|------|-------|
| Depth      | Cl-  | PID   |
| SS         | 8820 | 752.8 |
| 6"         | 7187 | 116.2 |
| 1'         | 6686 | 152.5 |
| 1.5'       | 7378 | 119.5 |
| 2'         | 6800 | 66.1  |
| 2.5'       | 8374 | 54.1  |
| 3'         | 6901 | 61.2  |
| 3.5'       | 7850 | 98.1  |
| 4'         | 9983 | 22.3  |

| Vertical 2 |       |       |
|------------|-------|-------|
| Depth      | Cl-   | PID   |
| SS         | 12859 | 900.1 |
| 6"         | 6315  | 49.1  |
| 1'         | 647   | 19.9  |

Landowner: BLM  
DGW: 82'



Image courtesy of ImagePatch.com © 2015 Microsoft Corporation



## **APPENDIX D**

### **Laboratory Analytical Data**





## ANALYTICAL REPORT

October 29, 2018

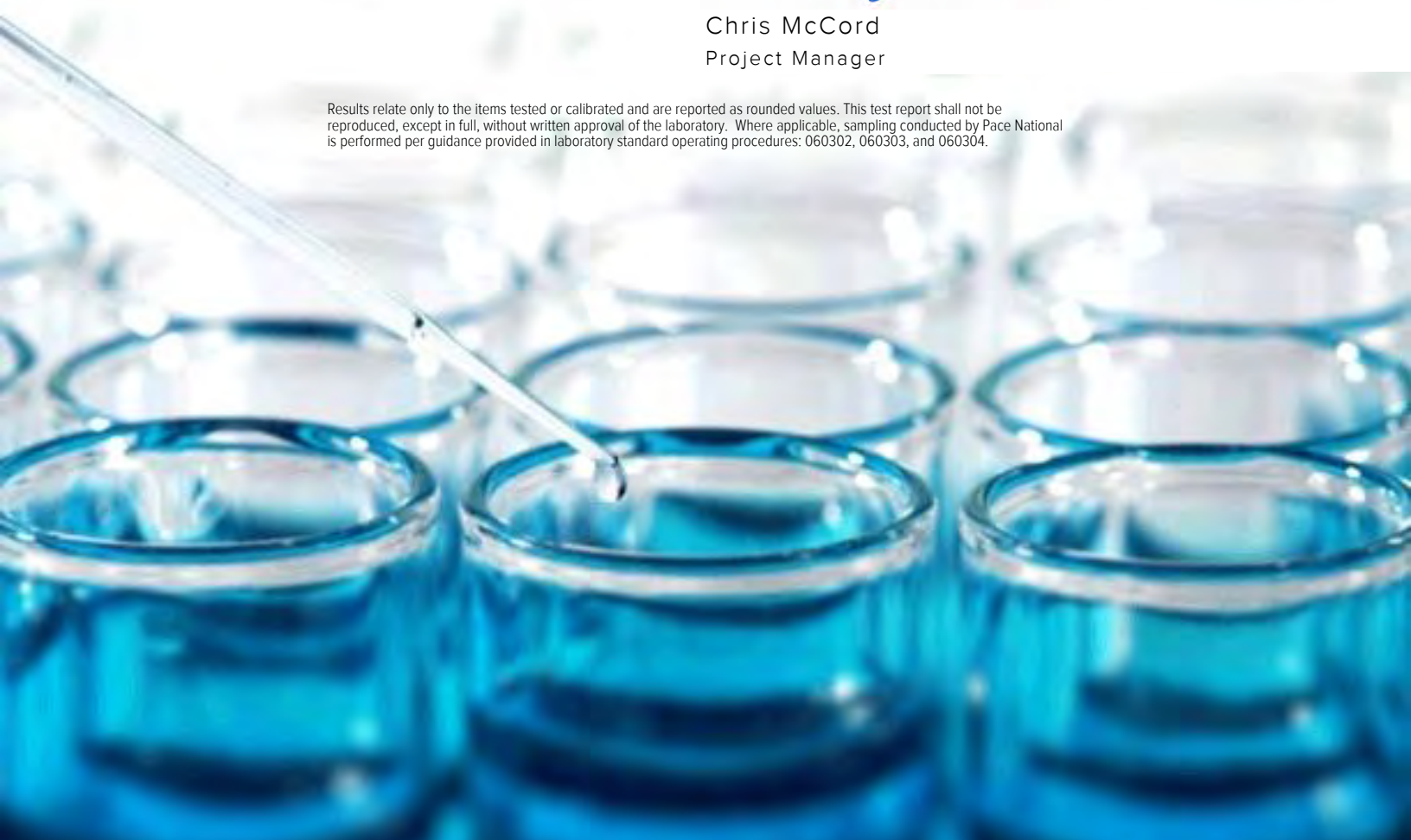
**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1036403  
Samples Received: 10/19/2018  
Project Number: 212C-MD-01456  
Description: COP MCA 2-C  
Site: LEA COUNTY, NEW MEXICO  
Report To: Kayla Taylor  
4001 N. Big Spring St., Ste. 401  
Midland, TX 79705

Entire Report Reviewed By:

Chris McCord  
Project Manager

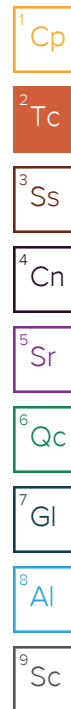
Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.



|                           |    |
|---------------------------|----|
| Cp: Cover Page            | 1  |
| Tc: Table of Contents     | 2  |
| Ss: Sample Summary        | 4  |
| Cn: Case Narrative        | 13 |
| Sr: Sample Results        | 14 |
| AH-1 (0-1') L1036403-01   | 14 |
| AH-1 (1-2') L1036403-02   | 15 |
| AH-1 (2-3') L1036403-03   | 16 |
| AH-1 (3-4') L1036403-04   | 17 |
| AH-1 (4-5') L1036403-05   | 18 |
| AH-2 (0-1') L1036403-06   | 19 |
| AH-2 (1-2') L1036403-07   | 20 |
| AH-2 (2-3') L1036403-08   | 21 |
| AH-2 (3-4') L1036403-09   | 22 |
| AH-2 (4-5') L1036403-10   | 23 |
| AH-10 (0-1') L1036403-11  | 24 |
| AH-10 (1-2') L1036403-12  | 25 |
| AH-10 (2-3') L1036403-13  | 26 |
| AH-10 (3-4') L1036403-14  | 27 |
| AH-10 (4-5') L1036403-15  | 28 |
| AH-9 (0-1') L1036403-16   | 29 |
| AH-9 (1-2') L1036403-17   | 30 |
| AH-9 (2-3') L1036403-18   | 31 |
| AH-9 (3-4') L1036403-19   | 32 |
| AH-9 (4-5') L1036403-20   | 33 |
| AH-8 (0-1') L1036403-21   | 34 |
| AH-8 (1-2') L1036403-22   | 35 |
| AH-8 (2-3') L1036403-23   | 36 |
| AH-8 (3-4') L1036403-24   | 37 |
| AH-8 (4-5') L1036403-25   | 38 |
| AH-7 (0-1') L1036403-26   | 39 |
| AH-7 (1-2') L1036403-27   | 40 |
| AH-7 (2-3') L1036403-28   | 41 |
| AH-7 (3-4') L1036403-29   | 42 |
| AH-7 (4-4.5') L1036403-30 | 43 |
| AH-6 (0-1') L1036403-31   | 44 |
| AH-6 (1-2') L1036403-32   | 45 |
| AH-6 (2-3') L1036403-33   | 46 |
| AH-6 (3-4') L1036403-34   | 47 |
| AH-6 (4-5') L1036403-35   | 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 |

|                                                     |           |
|-----------------------------------------------------|-----------|
| AH-5 (0-1') L1036403-36                             | 49        |
| AH-5 (1-2') L1036403-37                             | 50        |
| AH-5 (2-3') L1036403-38                             | 51        |
| AH-5 (3-4') L1036403-39                             | 52        |
| AH-5 (4-5') L1036403-40                             | 53        |
| AH-4 (0-1') L1036403-41                             | 54        |
| AH-4 (1-2') L1036403-42                             | 55        |
| AH-4 (2-3') L1036403-43                             | 56        |
| AH-4 (3-4') L1036403-44                             | 57        |
| AH-4 (4-5') L1036403-45                             | 58        |
| AH-3 (0-1') L1036403-46                             | 59        |
| AH-3 (1-2') L1036403-47                             | 60        |
| AH-3 (2-3') L1036403-48                             | 61        |
| AH-3 (3-4') L1036403-49                             | 62        |
| <b>Qc: Quality Control Summary</b>                  | <b>63</b> |
| Total Solids by Method 2540 G-2011                  | 63        |
| Wet Chemistry by Method 300.0                       | 69        |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 72        |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 73        |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 74        |
| <b>Gl: Glossary of Terms</b>                        | <b>76</b> |
| <b>Al: Accreditations &amp; Locations</b>           | <b>77</b> |
| <b>Sc: Sample Chain of Custody</b>                  | <b>78</b> |





## AH-1 (0-1') L1036403-01 Solid

|                                                     |           |          | Collected by          | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                                     |           |          | Devin Dominguez       | 10/17/18 08:50      | 10/19/18 08:45     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011                  | WG1185538 | 1        | 10/25/18 10:30        | 10/25/18 10:39      | JD                 |
| Wet Chemistry by Method 300.0                       | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 17:22      | ELN                |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20        | 10/25/18 23:08      | ACG                |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20        | 10/21/18 02:56      | BMB                |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 10       | 10/23/18 08:31        | 10/23/18 23:51      | KME                |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## AH-1 (1-2') L1036403-02 Solid

|                                                     |           |          | Collected by          | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                                     |           |          | Devin Dominguez       | 10/17/18 08:55      | 10/19/18 08:45     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011                  | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24      | JD                 |
| Wet Chemistry by Method 300.0                       | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 17:39      | ELN                |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20        | 10/25/18 23:29      | ACG                |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20        | 10/21/18 03:16      | BMB                |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 10       | 10/23/18 08:31        | 10/24/18 00:05      | KME                |

## AH-1 (2-3') L1036403-03 Solid

|                                    |           |          | Collected by          | Collected date/time | Received date/time |
|------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                    |           |          | Devin Dominguez       | 10/17/18 09:00      | 10/19/18 08:45     |
| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011 | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24      | JD                 |
| Wet Chemistry by Method 300.0      | WG1183696 | 10       | 10/20/18 15:44        | 10/25/18 17:48      | ELN                |

## AH-1 (3-4') L1036403-04 Solid

|                                    |           |          | Collected by          | Collected date/time | Received date/time |
|------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                    |           |          | Devin Dominguez       | 10/17/18 09:05      | 10/19/18 08:45     |
| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011 | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24      | JD                 |
| Wet Chemistry by Method 300.0      | WG1183696 | 20       | 10/20/18 15:44        | 10/25/18 17:57      | ELN                |

## AH-1 (4-5') L1036403-05 Solid

|                                    |           |          | Collected by          | Collected date/time | Received date/time |
|------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                    |           |          | Devin Dominguez       | 10/17/18 09:10      | 10/19/18 08:45     |
| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011 | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24      | JD                 |
| Wet Chemistry by Method 300.0      | WG1183696 | 10       | 10/20/18 15:44        | 10/25/18 18:06      | ELN                |

## AH-2 (0-1') L1036403-06 Solid

|                                                     |           |          | Collected by          | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                                     |           |          | Devin Dominguez       | 10/17/18 09:15      | 10/19/18 08:45     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011                  | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24      | JD                 |
| Wet Chemistry by Method 300.0                       | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 18:14      | ELN                |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20        | 10/25/18 23:50      | ACG                |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20        | 10/21/18 03:36      | BMB                |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31        | 10/23/18 22:03      | KME                |

## AH-2 (1-2') L1036403-07 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 09:20  
Received date/time 10/19/18 08:45

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24     | JD      |
| Wet Chemistry by Method 300.0                       | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 18:41     | ELN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20        | 10/26/18 00:10     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20        | 10/21/18 03:56     | BMB     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31        | 10/23/18 21:09     | KME     |



## AH-2 (2-3') L1036403-08 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 09:25  
Received date/time 10/19/18 08:45

| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011 | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24     | JD      |
| Wet Chemistry by Method 300.0      | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 18:50     | ELN     |

## AH-2 (3-4') L1036403-09 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 09:30  
Received date/time 10/19/18 08:45

| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011 | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24     | JD      |
| Wet Chemistry by Method 300.0      | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 18:58     | ELN     |

## AH-2 (4-5') L1036403-10 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 09:35  
Received date/time 10/19/18 08:45

| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011 | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24     | JD      |
| Wet Chemistry by Method 300.0      | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 19:07     | ELN     |

## AH-10 (0-1') L1036403-11 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 10:25  
Received date/time 10/19/18 08:45

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1185540 | 1        | 10/24/18 11:14        | 10/24/18 11:24     | JD      |
| Wet Chemistry by Method 300.0                       | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 19:33     | ELN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20        | 10/26/18 00:31     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20        | 10/21/18 04:16     | BMB     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31        | 10/23/18 22:44     | KME     |

## AH-10 (1-2') L1036403-12 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 10:30  
Received date/time 10/19/18 08:45

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1185544 | 1        | 10/24/18 10:54        | 10/24/18 11:03     | JD      |
| Wet Chemistry by Method 300.0                       | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 19:42     | ELN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20        | 10/26/18 00:52     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20        | 10/21/18 04:35     | BMB     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31        | 10/23/18 22:57     | KME     |

## AH-10 (2-3') L1036403-13 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 10:35 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185544 | 1        | 10/24/18 10:54                  | 10/24/18 11:03                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183696 | 1        | 10/20/18 15:44                  | 10/25/18 19:51                        | ELN                                  |

<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

## AH-10 (3-4') L1036403-14 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 10:40 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185544 | 1        | 10/24/18 10:54                  | 10/24/18 11:03                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183696 | 1        | 10/20/18 15:44                  | 10/25/18 20:00                        | ELN                                  |

## AH-10 (4-5') L1036403-15 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 10:45 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185544 | 1        | 10/24/18 10:54                  | 10/24/18 11:03                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183696 | 1        | 10/20/18 15:44                  | 10/25/18 20:26                        | ELN                                  |

## AH-9 (0-1') L1036403-16 Solid

|                                                     |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 10:55 | Received date/time<br>10/19/18 08:45 |
|-----------------------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011                  | WG1185544 | 1        | 10/24/18 10:54                  | 10/24/18 11:03                        | JD                                   |
| Wet Chemistry by Method 300.0                       | WG1183696 | 1        | 10/20/18 15:44                  | 10/25/18 20:35                        | ELN                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20                  | 10/26/18 01:13                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20                  | 10/21/18 04:55                        | BMB                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31                  | 10/23/18 23:11                        | KME                                  |

## AH-9 (1-2') L1036403-17 Solid

|                                                     |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 11:00 | Received date/time<br>10/19/18 08:45 |
|-----------------------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011                  | WG1185544 | 1        | 10/24/18 10:54                  | 10/24/18 11:03                        | JD                                   |
| Wet Chemistry by Method 300.0                       | WG1183696 | 1        | 10/20/18 15:44                  | 10/25/18 20:44                        | ELN                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20                  | 10/26/18 01:33                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20                  | 10/21/18 05:15                        | BMB                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31                  | 10/23/18 22:30                        | KME                                  |

## AH-9 (2-3') L1036403-18 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 11:05 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185544 | 1        | 10/24/18 10:54                  | 10/24/18 11:03                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183696 | 1        | 10/20/18 15:44                  | 10/25/18 20:52                        | ELN                                  |



## AH-9 (3-4') L1036403-19 Solid

Collected by  
Devin Dominguez

Collected date/time  
10/17/18 11:10

Received date/time  
10/19/18 08:45

| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011 | WG1185544 | 1        | 10/24/18 10:54        | 10/24/18 11:03     | JD      |
| Wet Chemistry by Method 300.0      | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 21:01     | ELN     |

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

## AH-9 (4-5') L1036403-20 Solid

Collected by  
Devin Dominguez

Collected date/time  
10/17/18 11:15

Received date/time  
10/19/18 08:45

| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011 | WG1185544 | 1        | 10/24/18 10:54        | 10/24/18 11:03     | JD      |
| Wet Chemistry by Method 300.0      | WG1183696 | 1        | 10/20/18 15:44        | 10/25/18 21:10     | ELN     |

<sup>4</sup> Cn<sup>5</sup> Sr<sup>6</sup> Qc

## AH-8 (0-1') L1036403-21 Solid

Collected by  
Devin Dominguez

Collected date/time  
10/17/18 11:25

Received date/time  
10/19/18 08:45

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1185544 | 1        | 10/24/18 10:54        | 10/24/18 11:03     | JD      |
| Wet Chemistry by Method 300.0                       | WG1183700 | 1        | 10/20/18 14:34        | 10/23/18 22:36     | ELN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20        | 10/26/18 01:54     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20        | 10/21/18 05:35     | BMB     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31        | 10/23/18 21:36     | KME     |

<sup>7</sup> Gl<sup>8</sup> Al<sup>9</sup> Sc

## AH-8 (1-2') L1036403-22 Solid

Collected by  
Devin Dominguez

Collected date/time  
10/17/18 11:30

Received date/time  
10/19/18 08:45

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1185545 | 1        | 10/24/18 10:28        | 10/24/18 10:38     | JD      |
| Wet Chemistry by Method 300.0                       | WG1183700 | 1        | 10/20/18 14:34        | 10/23/18 22:54     | ELN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20        | 10/26/18 02:15     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20        | 10/21/18 05:55     | BMB     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31        | 10/23/18 21:22     | KME     |

## AH-8 (2-3') L1036403-23 Solid

Collected by  
Devin Dominguez

Collected date/time  
10/17/18 11:35

Received date/time  
10/19/18 08:45

| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011 | WG1185545 | 1        | 10/24/18 10:28        | 10/24/18 10:38     | JD      |
| Wet Chemistry by Method 300.0      | WG1183700 | 1        | 10/20/18 14:34        | 10/23/18 23:02     | ELN     |

## AH-8 (3-4') L1036403-24 Solid

Collected by  
Devin Dominguez

Collected date/time  
10/17/18 11:40

Received date/time  
10/19/18 08:45

| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011 | WG1185545 | 1        | 10/24/18 10:28        | 10/24/18 10:38     | JD      |
| Wet Chemistry by Method 300.0      | WG1183700 | 5        | 10/20/18 14:34        | 10/23/18 23:11     | ELN     |

## AH-8 (4-5') L1036403-25 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 11:45 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185545 | 1        | 10/24/18 10:28                  | 10/24/18 10:38                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183700 | 5        | 10/20/18 14:34                  | 10/23/18 23:20                        | ELN                                  |

1  
Cp2  
Tc3  
Ss4  
Cn5  
Sr6  
Qc7  
Gl8  
Al9  
Sc

## AH-7 (0-1') L1036403-26 Solid

|                                                     |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 11:49 | Received date/time<br>10/19/18 08:45 |
|-----------------------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011                  | WG1185545 | 1        | 10/24/18 10:28                  | 10/24/18 10:38                        | JD                                   |
| Wet Chemistry by Method 300.0                       | WG1183700 | 1        | 10/20/18 14:34                  | 10/23/18 23:46                        | ELN                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20                  | 10/26/18 02:36                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20                  | 10/21/18 06:14                        | BMB                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 4        | 10/23/18 08:31                  | 10/24/18 16:37                        | SHG                                  |

## AH-7 (1-2') L1036403-27 Solid

|                                                     |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 11:54 | Received date/time<br>10/19/18 08:45 |
|-----------------------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011                  | WG1185545 | 1        | 10/24/18 10:28                  | 10/24/18 10:38                        | JD                                   |
| Wet Chemistry by Method 300.0                       | WG1183700 | 1        | 10/20/18 14:34                  | 10/23/18 23:55                        | ELN                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 20:20                  | 10/26/18 02:56                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 20:20                  | 10/21/18 06:34                        | BMB                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 10       | 10/23/18 08:31                  | 10/24/18 00:18                        | KME                                  |

## AH-7 (2-3') L1036403-28 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 11:59 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185545 | 1        | 10/24/18 10:28                  | 10/24/18 10:38                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183700 | 1        | 10/20/18 14:34                  | 10/24/18 00:04                        | ELN                                  |

## AH-7 (3-4') L1036403-29 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 12:06 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185545 | 1        | 10/24/18 10:28                  | 10/24/18 10:38                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183700 | 1        | 10/20/18 14:34                  | 10/24/18 00:13                        | ELN                                  |

## AH-7 (4-4.5') L1036403-30 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 12:09 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185545 | 1        | 10/24/18 10:28                  | 10/24/18 10:38                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183700 | 1        | 10/20/18 14:34                  | 10/24/18 00:21                        | ELN                                  |

## AH-6 (0-1') L1036403-31 Solid

|                                                     |           |          | Collected by          | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                                     |           |          | Devin Dominguez       | 10/17/18 14:25      | 10/19/18 08:45     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011                  | WG1185545 | 1        | 10/24/18 10:28        | 10/24/18 10:38      | JD                 |
| Wet Chemistry by Method 300.0                       | WG1183700 | 1        | 10/20/18 14:34        | 10/24/18 00:48      | ELN                |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 22:47        | 10/26/18 03:17      | ACG                |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 22:47        | 10/21/18 06:54      | BMB                |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 10       | 10/23/18 08:31        | 10/24/18 00:32      | KME                |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## AH-6 (1-2') L1036403-32 Solid

|                                                     |           |          | Collected by          | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                                     |           |          | Devin Dominguez       | 10/17/18 14:30      | 10/19/18 08:45     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011                  | WG1185547 | 1        | 10/25/18 11:18        | 10/25/18 11:27      | KDW                |
| Wet Chemistry by Method 300.0                       | WG1183700 | 5        | 10/20/18 14:34        | 10/24/18 00:56      | ELN                |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 22:47        | 10/26/18 03:38      | ACG                |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 22:47        | 10/21/18 07:14      | BMB                |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31        | 10/23/18 21:50      | KME                |

## AH-6 (2-3') L1036403-33 Solid

|                                    |           |          | Collected by          | Collected date/time | Received date/time |
|------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                    |           |          | Devin Dominguez       | 10/17/18 14:35      | 10/19/18 08:45     |
| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011 | WG1185547 | 1        | 10/25/18 11:18        | 10/25/18 11:27      | KDW                |
| Wet Chemistry by Method 300.0      | WG1183700 | 5        | 10/20/18 14:34        | 10/24/18 01:05      | ELN                |

## AH-6 (3-4') L1036403-34 Solid

|                                    |           |          | Collected by          | Collected date/time | Received date/time |
|------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                    |           |          | Devin Dominguez       | 10/17/18 14:40      | 10/19/18 08:45     |
| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011 | WG1185547 | 1        | 10/25/18 11:18        | 10/25/18 11:27      | KDW                |
| Wet Chemistry by Method 300.0      | WG1183700 | 5        | 10/20/18 14:34        | 10/24/18 01:32      | ELN                |

## AH-6 (4-5') L1036403-35 Solid

|                                    |           |          | Collected by          | Collected date/time | Received date/time |
|------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                    |           |          | Devin Dominguez       | 10/17/18 14:45      | 10/19/18 08:45     |
| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011 | WG1185547 | 1        | 10/25/18 11:18        | 10/25/18 11:27      | KDW                |
| Wet Chemistry by Method 300.0      | WG1183700 | 20       | 10/20/18 14:34        | 10/24/18 01:40      | ELN                |

## AH-5 (0-1') L1036403-36 Solid

|                                                     |           |          | Collected by          | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|---------------------|--------------------|
|                                                     |           |          | Devin Dominguez       | 10/17/18 15:00      | 10/19/18 08:45     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time  | Analyst            |
| Total Solids by Method 2540 G-2011                  | WG1185547 | 1        | 10/25/18 11:18        | 10/25/18 11:27      | KDW                |
| Wet Chemistry by Method 300.0                       | WG1183700 | 5        | 10/20/18 14:34        | 10/24/18 01:49      | ELN                |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 22:47        | 10/26/18 03:58      | ACG                |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 22:47        | 10/21/18 07:33      | BMB                |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 40       | 10/23/18 08:31        | 10/24/18 00:59      | KME                |



## AH-5 (1-2') L1036403-37 Solid

|                                                     |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 15:05 | Received date/time<br>10/19/18 08:45 |
|-----------------------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011                  | WG1185547 | 1        | 10/25/18 11:18                  | 10/25/18 11:27                        | KDW                                  |
| Wet Chemistry by Method 300.0                       | WG1183700 | 5        | 10/20/18 14:34                  | 10/24/18 01:58                        | ELN                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 22:47                  | 10/26/18 04:19                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 22:47                  | 10/21/18 07:53                        | BMB                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31                  | 10/23/18 22:17                        | KME                                  |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## AH-5 (2-3') L1036403-38 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 15:10 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185547 | 1        | 10/25/18 11:18                  | 10/25/18 11:27                        | KDW                                  |
| Wet Chemistry by Method 300.0      | WG1183700 | 5        | 10/20/18 14:34                  | 10/24/18 02:07                        | ELN                                  |

## AH-5 (3-4') L1036403-39 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 15:15 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185547 | 1        | 10/25/18 11:18                  | 10/25/18 11:27                        | KDW                                  |
| Wet Chemistry by Method 300.0      | WG1183700 | 20       | 10/20/18 14:34                  | 10/24/18 02:15                        | ELN                                  |

## AH-5 (4-5') L1036403-40 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 15:20 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185547 | 1        | 10/25/18 11:18                  | 10/25/18 11:27                        | KDW                                  |
| Wet Chemistry by Method 300.0      | WG1183700 | 20       | 10/20/18 14:34                  | 10/24/18 02:24                        | ELN                                  |

## AH-4 (0-1') L1036403-41 Solid

|                                                     |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 16:35 | Received date/time<br>10/19/18 08:45 |
|-----------------------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011                  | WG1185547 | 1        | 10/25/18 11:18                  | 10/25/18 11:27                        | KDW                                  |
| Wet Chemistry by Method 300.0                       | WG1183487 | 5        | 10/20/18 13:57                  | 10/23/18 03:43                        | ELN                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 22:47                  | 10/26/18 04:40                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 22:47                  | 10/21/18 08:13                        | BMB                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 100      | 10/23/18 08:31                  | 10/24/18 01:12                        | KME                                  |

## AH-4 (1-2') L1036403-42 Solid

|                                                     |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 16:40 | Received date/time<br>10/19/18 08:45 |
|-----------------------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011                  | WG1185550 | 1        | 10/24/18 15:08                  | 10/24/18 15:15                        | JD                                   |
| Wet Chemistry by Method 300.0                       | WG1183487 | 5        | 10/20/18 13:57                  | 10/23/18 03:51                        | ELN                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 25       | 10/19/18 22:47                  | 10/26/18 05:42                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 22:47                  | 10/21/18 08:33                        | BMB                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 40       | 10/23/18 08:31                  | 10/24/18 00:45                        | KME                                  |

## AH-4 (2-3') L1036403-43 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 16:45 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185550 | 1        | 10/24/18 15:08                  | 10/24/18 15:15                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183487 | 5        | 10/20/18 13:57                  | 10/23/18 04:18                        | ELN                                  |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## AH-4 (3-4') L1036403-44 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 16:50 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185550 | 1        | 10/24/18 15:08                  | 10/24/18 15:15                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183487 | 5        | 10/20/18 13:57                  | 10/23/18 04:26                        | ELN                                  |

## AH-4 (4-5') L1036403-45 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 16:55 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185550 | 1        | 10/24/18 15:08                  | 10/24/18 15:15                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183487 | 5        | 10/20/18 13:57                  | 10/23/18 04:35                        | ELN                                  |

## AH-3 (0-1') L1036403-46 Solid

|                                                     |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 17:05 | Received date/time<br>10/19/18 08:45 |
|-----------------------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011                  | WG1185550 | 1        | 10/24/18 15:08                  | 10/24/18 15:15                        | JD                                   |
| Wet Chemistry by Method 300.0                       | WG1183487 | 5        | 10/20/18 13:57                  | 10/23/18 04:44                        | ELN                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 22:47                  | 10/26/18 05:01                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 22:47                  | 10/21/18 08:53                        | BMB                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184264 | 1        | 10/23/18 08:31                  | 10/23/18 23:24                        | KME                                  |

## AH-3 (1-2') L1036403-47 Solid

|                                                     |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 17:10 | Received date/time<br>10/19/18 08:45 |
|-----------------------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011                  | WG1185550 | 1        | 10/24/18 15:08                  | 10/24/18 15:15                        | JD                                   |
| Wet Chemistry by Method 300.0                       | WG1183487 | 5        | 10/20/18 13:57                  | 10/23/18 04:53                        | ELN                                  |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1186456 | 1        | 10/19/18 22:47                  | 10/26/18 05:21                        | ACG                                  |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1184117 | 1        | 10/19/18 22:47                  | 10/21/18 09:12                        | BMB                                  |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1184361 | 1        | 10/22/18 07:05                  | 10/22/18 10:58                        | AAT                                  |

## AH-3 (2-3') L1036403-48 Solid

|                                    |           |          | Collected by<br>Devin Dominguez | Collected date/time<br>10/17/18 17:15 | Received date/time<br>10/19/18 08:45 |
|------------------------------------|-----------|----------|---------------------------------|---------------------------------------|--------------------------------------|
| Method                             | Batch     | Dilution | Preparation<br>date/time        | Analysis<br>date/time                 | Analyst                              |
| Total Solids by Method 2540 G-2011 | WG1185550 | 1        | 10/24/18 15:08                  | 10/24/18 15:15                        | JD                                   |
| Wet Chemistry by Method 300.0      | WG1183487 | 5        | 10/20/18 13:57                  | 10/23/18 05:02                        | ELN                                  |

AH-3 (3-4') L1036403-49 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 17:20  
Received date/time 10/19/18 08:45

| Method                             | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011 | WG1185550 | 1        | 10/24/18 15:08        | 10/24/18 15:15     | JD      |
| Wet Chemistry by Method 300.0      | WG1183487 | 5        | 10/20/18 13:57        | 10/23/18 05:10     | ELN     |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

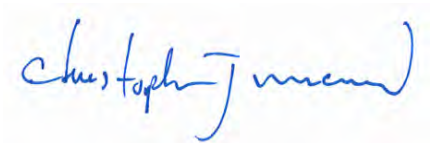
<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

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: 10/17/18 08:50

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.0   |           | 1        | 10/25/2018 10:39     | <a href="#">WG1185538</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 322          |           | 0.837     | 10.0       | 10.5      | 1        | 10/25/2018 17:22     | <a href="#">WG1183696</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        | 10/25/2018 23:08     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.6         |           |           |            | 77.0-120  |          | 10/25/2018 23:08     | <a href="#">WG1186456</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        | 10/21/2018 02:56     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00132   | 0.00500    | 0.00526   | 1        | 10/21/2018 02:56     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000558  | 0.00250    | 0.00263   | 1        | 10/21/2018 02:56     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00503   | 0.00650    | 0.00684   | 1        | 10/21/2018 02:56     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 113          |           |           |            | 75.0-131  |          | 10/21/2018 02:56     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 78.0         |           |           |            | 65.0-129  |          | 10/21/2018 02:56     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 86.3         |           |           |            | 80.0-120  |          | 10/21/2018 02:56     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 107          |           |           |            | 67.0-138  |          | 10/21/2018 02:56     | <a href="#">WG1184117</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 | 120          | <a href="#">J3</a> | 16.9      | 4.00       | 42.1      | 10       | 10/23/2018 23:51     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 203          |                    | 2.88      | 4.00       | 42.1      | 10       | 10/23/2018 23:51     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 78.0         |                    |           |            | 18.0-148  |          | 10/23/2018 23:51     | <a href="#">WG1184264</a> |

Collected date/time: 10/17/18 08:55

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.7   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 356          |           | 0.831     | 10.0       | 10.5      | 1        | 10/25/2018 17:39     | <a href="#">WG1183696</a> |

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

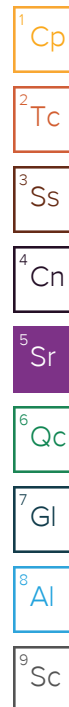
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0227    | 0.100      | 0.105     | 1        | 10/25/2018 23:29     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.6         |           |           |            | 77.0-120  |          | 10/25/2018 23:29     | <a href="#">WG1186456</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        | 10/21/2018 03:16     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00131   | 0.00500    | 0.00523   | 1        | 10/21/2018 03:16     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000554  | 0.00250    | 0.00261   | 1        | 10/21/2018 03:16     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00500   | 0.00650    | 0.00679   | 1        | 10/21/2018 03:16     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 115          |           |           |            | 75.0-131  |          | 10/21/2018 03:16     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 77.6         |           |           |            | 65.0-129  |          | 10/21/2018 03:16     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 86.4         |           |           |            | 80.0-120  |          | 10/21/2018 03:16     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 89.4         |           |           |            | 67.0-138  |          | 10/21/2018 03:16     | <a href="#">WG1184117</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 | 117          | <a href="#">J3</a> | 16.8      | 4.00       | 41.8      | 10       | 10/24/2018 00:05     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 191          |                    | 2.86      | 4.00       | 41.8      | 10       | 10/24/2018 00:05     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 72.3         |                    |           |            | 18.0-148  |          | 10/24/2018 00:05     | <a href="#">WG1184264</a> |



Collected date/time: 10/17/18 09:00

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.2   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 3770         |           | 8.63      | 10.0       | 108       | 10       | 10/25/2018 17:48     | <a href="#">WG1183696</a> |

<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: 10/17/18 09:05

L1036403

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.1   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 8850         |           | 17.9      | 10.0       | 225       | 20       | 10/25/2018 17:57     | <a href="#">WG1183696</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Collected date/time: 10/17/18 09:10

L1036403

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.6   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 5550         |           | 8.59      | 10.0       | 108       | 10       | 10/25/2018 18:06     | <a href="#">WG1183696</a> |

<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: 10/17/18 09:15

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.0   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 25.1         | <u>B</u>  | 0.820     | 10.0       | 10.3      | 1        | 10/25/2018 18:14     | <a href="#">WG1183696</a> |

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

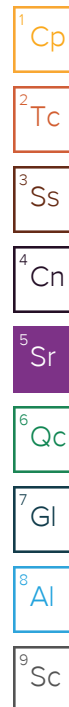
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0224    | 0.100      | 0.103     | 1        | 10/25/2018 23:50     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.2         |           |           |            | 77.0-120  |          | 10/25/2018 23:50     | <a href="#">WG1186456</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            |           | 0.000412  | 0.00100    | 0.00103   | 1        | 10/21/2018 03:36     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00129   | 0.00500    | 0.00515   | 1        | 10/21/2018 03:36     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000546  | 0.00250    | 0.00258   | 1        | 10/21/2018 03:36     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00493   | 0.00650    | 0.00670   | 1        | 10/21/2018 03:36     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 115          |           |           |            | 75.0-131  |          | 10/21/2018 03:36     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 77.3         |           |           |            | 65.0-129  |          | 10/21/2018 03:36     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 85.2         |           |           |            | 80.0-120  |          | 10/21/2018 03:36     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 97.2         |           |           |            | 67.0-138  |          | 10/21/2018 03:36     | <a href="#">WG1184117</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         | <u>J3</u> | 1.66      | 4.00       | 4.12      | 1        | 10/23/2018 22:03     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 22.2         |           | 0.282     | 4.00       | 4.12      | 1        | 10/23/2018 22:03     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 63.8         |           |           |            | 18.0-148  |          | 10/23/2018 22:03     | <a href="#">WG1184264</a> |



Collected date/time: 10/17/18 09:20

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.5   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 49.3         |           | 0.816     | 10.0       | 10.3      | 1        | 10/25/2018 18:41     | <a href="#">WG1183696</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        | 10/26/2018 00:10     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.3         |           |           |            | 77.0-120  |          | 10/26/2018 00:10     | <a href="#">WG1186456</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            |           | 0.000410  | 0.00100    | 0.00103   | 1        | 10/21/2018 03:56     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00128   | 0.00500    | 0.00513   | 1        | 10/21/2018 03:56     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000544  | 0.00250    | 0.00256   | 1        | 10/21/2018 03:56     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00490   | 0.00650    | 0.00667   | 1        | 10/21/2018 03:56     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 115          |           |           |            | 75.0-131  |          | 10/21/2018 03:56     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 78.2         |           |           |            | 65.0-129  |          | 10/21/2018 03:56     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 85.7         |           |           |            | 80.0-120  |          | 10/21/2018 03:56     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 103          |           |           |            | 67.0-138  |          | 10/21/2018 03:56     | <a href="#">WG1184117</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            | <a href="#">J3</a> | 1.65      | 4.00       | 4.10      | 1        | 10/23/2018 21:09     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 1.81         | <a href="#">J</a>  | 0.281     | 4.00       | 4.10      | 1        | 10/23/2018 21:09     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 72.4         |                    |           |            | 18.0-148  |          | 10/23/2018 21:09     | <a href="#">WG1184264</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/17/18 09:25

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.4   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 173          |           | 0.816     | 10.0       | 10.3      | 1        | 10/25/2018 18:50     | <a href="#">WG1183696</a> |

<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: 10/17/18 09:30

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.4   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 289          |           | 0.816     | 10.0       | 10.3      | 1        | 10/25/2018 18:58     | <a href="#">WG1183696</a> |

<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: 10/17/18 09:35

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.1   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 579          |           | 0.828     | 10.0       | 10.4      | 1        | 10/25/2018 19:07     | <a href="#">WG1183696</a> |

<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: 10/17/18 10:25

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.5   |           | 1        | 10/24/2018 11:24     | <a href="#">WG1185540</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 8.87         | <a href="#">B J</a> | 0.832     | 10.0       | 10.5      | 1        | 10/25/2018 19:33     | <a href="#">WG1183696</a> |

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

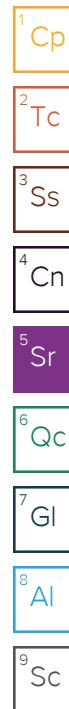
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0227    | 0.100      | 0.105     | 1        | 10/26/2018 00:31     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.0         |           |           |            | 77.0-120  |          | 10/26/2018 00:31     | <a href="#">WG1186456</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        | 10/21/2018 04:16     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00131   | 0.00500    | 0.00523   | 1        | 10/21/2018 04:16     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000555  | 0.00250    | 0.00262   | 1        | 10/21/2018 04:16     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00500   | 0.00650    | 0.00680   | 1        | 10/21/2018 04:16     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 115          |           |           |            | 75.0-131  |          | 10/21/2018 04:16     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 77.4         |           |           |            | 65.0-129  |          | 10/21/2018 04:16     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 84.5         |           |           |            | 80.0-120  |          | 10/21/2018 04:16     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 98.2         |           |           |            | 67.0-138  |          | 10/21/2018 04:16     | <a href="#">WG1184117</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 | 6.74         | <a href="#">J3</a> | 1.69      | 4.00       | 4.19      | 1        | 10/23/2018 22:44     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 15.4         |                    | 0.287     | 4.00       | 4.19      | 1        | 10/23/2018 22:44     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 52.7         |                    |           |            | 18.0-148  |          | 10/23/2018 22:44     | <a href="#">WG1184264</a> |



Collected date/time: 10/17/18 10:30

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.5   |           | 1        | 10/24/2018 11:03     | <a href="#">WG1185544</a> |

1 Cp

2 Tc

3 Ss

4 Cn

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier           | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|---------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 9.25         | <a href="#">B J</a> | 0.815     | 10.0       | 10.3      | 1        | 10/25/2018 19:42     | <a href="#">WG1183696</a> |

5 Sr

6 Qc

7 Gl

## 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      | 0.103     | 1        | 10/26/2018 00:52     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.0         |           |           |            | 77.0-120  |          | 10/26/2018 00:52     | <a href="#">WG1186456</a> |

8 Al

9 Sc

## 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            |           | 0.000410  | 0.00100    | 0.00103   | 1        | 10/21/2018 04:35     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00128   | 0.00500    | 0.00513   | 1        | 10/21/2018 04:35     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000543  | 0.00250    | 0.00256   | 1        | 10/21/2018 04:35     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00490   | 0.00650    | 0.00666   | 1        | 10/21/2018 04:35     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 116          |           |           |            | 75.0-131  |          | 10/21/2018 04:35     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 77.7         |           |           |            | 65.0-129  |          | 10/21/2018 04:35     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 85.8         |           |           |            | 80.0-120  |          | 10/21/2018 04:35     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 90.6         |           |           |            | 67.0-138  |          | 10/21/2018 04:35     | <a href="#">WG1184117</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 | 6.65         | <a href="#">J3</a> | 1.65      | 4.00       | 4.10      | 1        | 10/23/2018 22:57     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 15.7         |                    | 0.281     | 4.00       | 4.10      | 1        | 10/23/2018 22:57     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 71.0         |                    |           |            | 18.0-148  |          | 10/23/2018 22:57     | <a href="#">WG1184264</a> |



Collected date/time: 10/17/18 10:35

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.8   |           | 1        | 10/24/2018 11:03     | <a href="#">WG1185544</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 11.2         | <a href="#">B</a> | 0.821     | 10.0       | 10.3      | 1        | 10/25/2018 19:51     | <a href="#">WG1183696</a> |

<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: 10/17/18 10:40

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.3   |           | 1        | 10/24/2018 11:03     | <a href="#">WG1185544</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 17.9         | <a href="#">B</a> | 0.852     | 10.0       | 10.7      | 1        | 10/25/2018 20:00     | <a href="#">WG1183696</a> |

<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: 10/17/18 10:45

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.4   |           | 1        | 10/24/2018 11:03     | <a href="#">WG1185544</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 16.9         | <a href="#">B</a> | 0.861     | 10.0       | 10.8      | 1        | 10/25/2018 20:26     | <a href="#">WG1183696</a> |

<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: 10/17/18 10:55

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 95.8   |           | 1        | 10/24/2018 11:03 | <a href="#">WG1185544</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 | 44.4         |           | 0.830     | 10.0       | 10.4      | 1        | 10/25/2018 20:35 | <a href="#">WG1183696</a> |

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

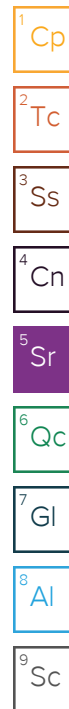
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0227    | 0.100      | 0.104     | 1        | 10/26/2018 01:13 | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8         |           |           |            | 77.0-120  |          | 10/26/2018 01:13 | <a href="#">WG1186456</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            |           | 0.000418  | 0.00100    | 0.00104   | 1        | 10/21/2018 04:55 | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00131   | 0.00500    | 0.00522   | 1        | 10/21/2018 04:55 | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000553  | 0.00250    | 0.00261   | 1        | 10/21/2018 04:55 | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00499   | 0.00650    | 0.00679   | 1        | 10/21/2018 04:55 | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 115          |           |           |            | 75.0-131  |          | 10/21/2018 04:55 | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 76.6         |           |           |            | 65.0-129  |          | 10/21/2018 04:55 | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 84.4         |           |           |            | 80.0-120  |          | 10/21/2018 04:55 | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 92.5         |           |           |            | 67.0-138  |          | 10/21/2018 04:55 | <a href="#">WG1184117</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 | 12.1         | <a href="#">J3</a> | 1.68      | 4.00       | 4.18      | 1        | 10/23/2018 23:11 | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 23.0         |                    | 0.286     | 4.00       | 4.18      | 1        | 10/23/2018 23:11 | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 67.6         |                    |           |            | 18.0-148  |          | 10/23/2018 23:11 | <a href="#">WG1184264</a> |



Collected date/time: 10/17/18 11:00

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 98.1   |           | 1        | 10/24/2018 11:03 | <a href="#">WG1185544</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 | 9.73         | <a href="#">B J</a> | 0.811     | 10.0       | 10.2      | 1        | 10/25/2018 20:44 | <a href="#">WG1183696</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            |           | 0.0221    | 0.100      | 0.102     | 1        | 10/26/2018 01:33 | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.6         |           |           |            | 77.0-120  |          | 10/26/2018 01:33 | <a href="#">WG1186456</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            |           | 0.000408  | 0.00100    | 0.00102   | 1        | 10/21/2018 05:15 | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00127   | 0.00500    | 0.00510   | 1        | 10/21/2018 05:15 | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000540  | 0.00250    | 0.00255   | 1        | 10/21/2018 05:15 | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00487   | 0.00650    | 0.00663   | 1        | 10/21/2018 05:15 | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 117          |           |           |            | 75.0-131  |          | 10/21/2018 05:15 | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 75.4         |           |           |            | 65.0-129  |          | 10/21/2018 05:15 | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 85.6         |           |           |            | 80.0-120  |          | 10/21/2018 05:15 | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 90.2         |           |           |            | 67.0-138  |          | 10/21/2018 05:15 | <a href="#">WG1184117</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 | 2.42         | <a href="#">J J3</a> | 1.64      | 4.00       | 4.08      | 1        | 10/23/2018 22:30 | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 9.11         |                      | 0.279     | 4.00       | 4.08      | 1        | 10/23/2018 22:30 | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 87.9         |                      |           |            | 18.0-148  |          | 10/23/2018 22:30 | <a href="#">WG1184264</a> |



Collected date/time: 10/17/18 11:05

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.5   |           | 1        | 10/24/2018 11:03     | <a href="#">WG1185544</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier         | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-------------------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 15.1         | <a href="#">B</a> | 0.815     | 10.0       | 10.3      | 1        | 10/25/2018 20:52     | <a href="#">WG1183696</a> |

<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: 10/17/18 11:10

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.3   |           | 1        | 10/24/2018 11:03     | <a href="#">WG1185544</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 151          |           | 0.834     | 10.0       | 10.5      | 1        | 10/25/2018 21:01     | <a href="#">WG1183696</a> |

<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: 10/17/18 11:15

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.4   |           | 1        | 10/24/2018 11:03     | <a href="#">WG1185544</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 534          |           | 0.852     | 10.0       | 10.7      | 1        | 10/25/2018 21:10     | <a href="#">WG1183696</a> |

<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: 10/17/18 11:25

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.1   |           | 1        | 10/24/2018 11:03     | <a href="#">WG1185544</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 141          |           | 0.892     | 10.0       | 11.2      | 1        | 10/23/2018 22:36     | <a href="#">WG1183700</a> |

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

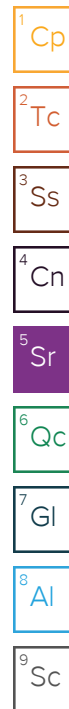
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0243    | 0.100      | 0.112     | 1        | 10/26/2018 01:54     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.3         |           |           |            | 77.0-120  |          | 10/26/2018 01:54     | <a href="#">WG1186456</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            |           | 0.000449  | 0.00100    | 0.00112   | 1        | 10/21/2018 05:35     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00140   | 0.00500    | 0.00561   | 1        | 10/21/2018 05:35     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000595  | 0.00250    | 0.00281   | 1        | 10/21/2018 05:35     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00536   | 0.00650    | 0.00729   | 1        | 10/21/2018 05:35     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 116          |           |           |            | 75.0-131  |          | 10/21/2018 05:35     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 73.2         |           |           |            | 65.0-129  |          | 10/21/2018 05:35     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 84.9         |           |           |            | 80.0-120  |          | 10/21/2018 05:35     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 93.4         |           |           |            | 67.0-138  |          | 10/21/2018 05:35     | <a href="#">WG1184117</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 | 2.37         | <a href="#">J J3</a> | 1.81      | 4.00       | 4.49      | 1        | 10/23/2018 21:36     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 5.36         |                      | 0.307     | 4.00       | 4.49      | 1        | 10/23/2018 21:36     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 66.1         |                      |           |            | 18.0-148  |          | 10/23/2018 21:36     | <a href="#">WG1184264</a> |



Collected date/time: 10/17/18 11:30

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 91.1   |           | 1        | 10/24/2018 10:38     | <a href="#">WG1185545</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 197          |           | 0.872     | 10.0       | 11.0      | 1        | 10/23/2018 22:54     | <a href="#">WG1183700</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        | 10/26/2018 02:15     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.3         |           |           |            | 77.0-120  |          | 10/26/2018 02:15     | <a href="#">WG1186456</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            |           | 0.000439  | 0.00100    | 0.00110   | 1        | 10/21/2018 05:55     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00137   | 0.00500    | 0.00549   | 1        | 10/21/2018 05:55     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000582  | 0.00250    | 0.00274   | 1        | 10/21/2018 05:55     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00524   | 0.00650    | 0.00713   | 1        | 10/21/2018 05:55     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 115          |           |           |            | 75.0-131  |          | 10/21/2018 05:55     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 77.5         |           |           |            | 65.0-129  |          | 10/21/2018 05:55     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 84.7         |           |           |            | 80.0-120  |          | 10/21/2018 05:55     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 105          |           |           |            | 67.0-138  |          | 10/21/2018 05:55     | <a href="#">WG1184117</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            | <a href="#">J3</a> | 1.77      | 4.00       | 4.39      | 1        | 10/23/2018 21:22     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 0.903        | <a href="#">J</a>  | 0.301     | 4.00       | 4.39      | 1        | 10/23/2018 21:22     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 74.0         |                    |           |            | 18.0-148  |          | 10/23/2018 21:22     | <a href="#">WG1184264</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/17/18 11:35

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 91.2   |           | 1        | 10/24/2018 10:38     | <a href="#">WG1185545</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 207          |           | 0.871     | 10.0       | 11.0      | 1        | 10/23/2018 23:02     | <a href="#">WG1183700</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/17/18 11:40

L1036403

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.2   |           | 1        | 10/24/2018 10:38     | <a href="#">WG1185545</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1490         |           | 4.41      | 10.0       | 55.4      | 5        | 10/23/2018 23:11     | <a href="#">WG1183700</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 10/17/18 11:45

L1036403

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.6   |           | 1        | 10/24/2018 10:38     | <a href="#">WG1185545</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 3040         |           | 4.39      | 10.0       | 55.2      | 5        | 10/23/2018 23:20     | <a href="#">WG1183700</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 10/17/18 11:49

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.9   |           | 1        | 10/24/2018 10:38     | <a href="#">WG1185545</a> |

1 Cp

2 Tc

3 Ss

4 Cn

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 224          |           | 0.884     | 10.0       | 11.1      | 1        | 10/23/2018 23:46     | <a href="#">WG1183700</a> |

5 Sr

6 Qc

## 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        | 10/26/2018 02:36     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9         |           |           |            | 77.0-120  |          | 10/26/2018 02:36     | <a href="#">WG1186456</a> |

7 Gl

8 Al

## 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        | 10/21/2018 06:14     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00139   | 0.00500    | 0.00556   | 1        | 10/21/2018 06:14     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000589  | 0.00250    | 0.00278   | 1        | 10/21/2018 06:14     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00531   | 0.00650    | 0.00723   | 1        | 10/21/2018 06:14     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 121          |           |           |            | 75.0-131  |          | 10/21/2018 06:14     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 66.3         |           |           |            | 65.0-129  |          | 10/21/2018 06:14     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 87.4         |           |           |            | 80.0-120  |          | 10/21/2018 06:14     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 90.6         |           |           |            | 67.0-138  |          | 10/21/2018 06:14     | <a href="#">WG1184117</a> |

9 Sc

## 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 | 58.3         | <a href="#">J3 J6</a> | 7.16      | 4.00       | 17.8      | 4        | 10/24/2018 16:37     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 96.7         |                       | 1.22      | 4.00       | 17.8      | 4        | 10/24/2018 16:37     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 76.6         |                       |           |            | 18.0-148  |          | 10/24/2018 16:37     | <a href="#">WG1184264</a> |

Collected date/time: 10/17/18 11:54

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 95.2   |           | 1        | 10/24/2018 10:38 | <a href="#">WG1185545</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 | 71.0         |           | 0.835     | 10.0       | 10.5      | 1        | 10/23/2018 23:55 | <a href="#">WG1183700</a> |

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

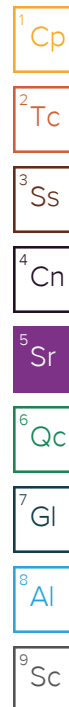
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0228    | 0.100      | 0.105     | 1        | 10/26/2018 02:56 | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.0         |           |           |            | 77.0-120  |          | 10/26/2018 02:56 | <a href="#">WG1186456</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            |           | 0.000420  | 0.00100    | 0.00105   | 1        | 10/21/2018 06:34 | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00131   | 0.00500    | 0.00525   | 1        | 10/21/2018 06:34 | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000557  | 0.00250    | 0.00263   | 1        | 10/21/2018 06:34 | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00502   | 0.00650    | 0.00683   | 1        | 10/21/2018 06:34 | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 115          |           |           |            | 75.0-131  |          | 10/21/2018 06:34 | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 84.3         |           |           |            | 65.0-129  |          | 10/21/2018 06:34 | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 84.1         |           |           |            | 80.0-120  |          | 10/21/2018 06:34 | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 100          |           |           |            | 67.0-138  |          | 10/21/2018 06:34 | <a href="#">WG1184117</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 | 60.6         | <a href="#">J3</a> | 16.9      | 4.00       | 42.0      | 10       | 10/24/2018 00:18 | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 130          |                    | 2.88      | 4.00       | 42.0      | 10       | 10/24/2018 00:18 | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 97.7         |                    |           |            | 18.0-148  |          | 10/24/2018 00:18 | <a href="#">WG1184264</a> |





Collected date/time: 10/17/18 11:59

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis<br>date / time | Batch                     |
|--------------|--------|-----------|----------|-------------------------|---------------------------|
| Total Solids | 92.9   |           | 1        | 10/24/2018 10:38        | <a href="#">WG1185545</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry)<br>mg/kg | Qualifier | SDL (dry)<br>mg/kg | Unadj. MQL<br>mg/kg | MQL (dry)<br>mg/kg | Dilution | Analysis<br>date / time | Batch                     |
|----------|-----------------------|-----------|--------------------|---------------------|--------------------|----------|-------------------------|---------------------------|
| Chloride | 148                   |           | 0.856              | 10.0                | 10.8               | 1        | 10/24/2018 00:04        | <a href="#">WG1183700</a> |

<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: 10/17/18 12:06

L1036403

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 81.3   |           | 1        | 10/24/2018 10:38     | <a href="#">WG1185545</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry)<br>mg/kg | Qualifier | SDL (dry)<br>mg/kg | Unadj. MQL<br>mg/kg | MQL (dry)<br>mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|-----------------------|-----------|--------------------|---------------------|--------------------|----------|----------------------|---------------------------|
| Chloride | 157                   |           | 0.978              | 10.0                | 12.3               | 1        | 10/24/2018 00:13     | <a href="#">WG1183700</a> |

<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: 10/17/18 12:09

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis<br>date / time | Batch                     |
|--------------|--------|-----------|----------|-------------------------|---------------------------|
| Total Solids | 85.8   |           | 1        | 10/24/2018 10:38        | <a href="#">WG1185545</a> |

<sup>1</sup> Cp<sup>2</sup> Tc

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry)<br>mg/kg | Qualifier | SDL (dry)<br>mg/kg | Unadj. MQL<br>mg/kg | MQL (dry)<br>mg/kg | Dilution | Analysis<br>date / time | Batch                     |
|----------|-----------------------|-----------|--------------------|---------------------|--------------------|----------|-------------------------|---------------------------|
| Chloride | 136                   |           | 0.927              | 10.0                | 11.7               | 1        | 10/24/2018 00:21        | <a href="#">WG1183700</a> |

<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: 10/17/18 14:25

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.7   |           | 1        | 10/24/2018 10:38     | <a href="#">WG1185545</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 | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 445          |           | 0.887     | 10.0       | 11.2      | 1        | 10/24/2018 00:48     | <a href="#">WG1183700</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      | 0.112     | 1        | 10/26/2018 03:17     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.6         |           |           |            | 77.0-120  |          | 10/26/2018 03:17     | <a href="#">WG1186456</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            |           | 0.000446  | 0.00100    | 0.00112   | 1        | 10/21/2018 06:54     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00139   | 0.00500    | 0.00558   | 1        | 10/21/2018 06:54     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000591  | 0.00250    | 0.00279   | 1        | 10/21/2018 06:54     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00533   | 0.00650    | 0.00725   | 1        | 10/21/2018 06:54     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 116          |           |           |            | 75.0-131  |          | 10/21/2018 06:54     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 79.6         |           |           |            | 65.0-129  |          | 10/21/2018 06:54     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 83.8         |           |           |            | 80.0-120  |          | 10/21/2018 06:54     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 90.3         |           |           |            | 67.0-138  |          | 10/21/2018 06:54     | <a href="#">WG1184117</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 | 1330         | <a href="#">J3</a> | 18.0      | 4.00       | 44.6      | 10       | 10/24/2018 00:32     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 753          |                    | 3.06      | 4.00       | 44.6      | 10       | 10/24/2018 00:32     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 88.4         |                    |           |            | 18.0-148  |          | 10/24/2018 00:32     | <a href="#">WG1184264</a> |

Collected date/time: 10/17/18 14:30

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.0   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1960         |           | 4.32      | 10.0       | 54.4      | 5        | 10/24/2018 00:56     | <a href="#">WG1183700</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        | 10/26/2018 03:38     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.9         |           |           |            | 77.0-120  |          | 10/26/2018 03:38     | <a href="#">WG1186456</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            |           | 0.000435  | 0.00100    | 0.00109   | 1        | 10/21/2018 07:14     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00136   | 0.00500    | 0.00544   | 1        | 10/21/2018 07:14     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000576  | 0.00250    | 0.00272   | 1        | 10/21/2018 07:14     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00520   | 0.00650    | 0.00707   | 1        | 10/21/2018 07:14     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 116          |           |           |            | 75.0-131  |          | 10/21/2018 07:14     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 79.5         |           |           |            | 65.0-129  |          | 10/21/2018 07:14     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 84.3         |           |           |            | 80.0-120  |          | 10/21/2018 07:14     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 96.7         |           |           |            | 67.0-138  |          | 10/21/2018 07:14     | <a href="#">WG1184117</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 | 24.8         | <a href="#">J3</a> | 1.75      | 4.00       | 4.35      | 1        | 10/23/2018 21:50     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 19.1         |                    | 0.298     | 4.00       | 4.35      | 1        | 10/23/2018 21:50     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 41.9         |                    |           |            | 18.0-148  |          | 10/23/2018 21:50     | <a href="#">WG1184264</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Collected date/time: 10/17/18 14:35

L1036403

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 81.4   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 5010         |           | 4.88      | 10.0       | 61.4      | 5        | 10/24/2018 01:05     | <a href="#">WG1183700</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 10/17/18 14:40

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 79.2   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 3790         |           | 5.02      | 10.0       | 63.1      | 5        | 10/24/2018 01:32     | <a href="#">WG1183700</a> |

<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: 10/17/18 14:45

L1036403

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 88.5   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 7400         |           | 18.0      | 10.0       | 226       | 20       | 10/24/2018 01:40     | <a href="#">WG1183700</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 10/17/18 15:00

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.5   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1280         |           | 4.21      | 10.0       | 52.9      | 5        | 10/24/2018 01:49     | <a href="#">WG1183700</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        | 10/26/2018 03:58     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.6         |           |           |            | 77.0-120  |          | 10/26/2018 03:58     | <a href="#">WG1186456</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        | 10/21/2018 07:33     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00132   | 0.00500    | 0.00529   | 1        | 10/21/2018 07:33     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000561  | 0.00250    | 0.00264   | 1        | 10/21/2018 07:33     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00506   | 0.00650    | 0.00688   | 1        | 10/21/2018 07:33     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 116          |           |           |            | 75.0-131  |          | 10/21/2018 07:33     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 78.4         |           |           |            | 65.0-129  |          | 10/21/2018 07:33     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 83.1         |           |           |            | 80.0-120  |          | 10/21/2018 07:33     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 102          |           |           |            | 67.0-138  |          | 10/21/2018 07:33     | <a href="#">WG1184117</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 | 2690         | <a href="#">J3</a> | 68.1      | 4.00       | 169       | 40       | 10/24/2018 00:59     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 1740         |                    | 11.6      | 4.00       | 169       | 40       | 10/24/2018 00:59     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 88.2         | <a href="#">J7</a> |           |            | 18.0-148  |          | 10/24/2018 00:59     | <a href="#">WG1184264</a> |

Collected date/time: 10/17/18 15:05

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.0   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 2780         |           | 4.32      | 10.0       | 54.3      | 5        | 10/24/2018 01:58     | <a href="#">WG1183700</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        | 10/26/2018 04:19     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.1         |           |           |            | 77.0-120  |          | 10/26/2018 04:19     | <a href="#">WG1186456</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            |           | 0.000435  | 0.00100    | 0.00109   | 1        | 10/21/2018 07:53     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00136   | 0.00500    | 0.00543   | 1        | 10/21/2018 07:53     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000576  | 0.00250    | 0.00272   | 1        | 10/21/2018 07:53     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00519   | 0.00650    | 0.00706   | 1        | 10/21/2018 07:53     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 118          |           |           |            | 75.0-131  |          | 10/21/2018 07:53     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 80.3         |           |           |            | 65.0-129  |          | 10/21/2018 07:53     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 84.1         |           |           |            | 80.0-120  |          | 10/21/2018 07:53     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 101          |           |           |            | 67.0-138  |          | 10/21/2018 07:53     | <a href="#">WG1184117</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 | 64.3         | <a href="#">J3</a> | 1.75      | 4.00       | 4.35      | 1        | 10/23/2018 22:17     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 52.3         |                    | 0.298     | 4.00       | 4.35      | 1        | 10/23/2018 22:17     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 48.7         |                    |           |            | 18.0-148  |          | 10/23/2018 22:17     | <a href="#">WG1184264</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/17/18 15:10

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.4   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 4040         |           | 4.40      | 10.0       | 55.3      | 5        | 10/24/2018 02:07     | <a href="#">WG1183700</a> |

<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: 10/17/18 15:15

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 88.4   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 7940         |           | 18.0      | 10.0       | 226       | 20       | 10/24/2018 02:15     | <a href="#">WG1183700</a> |

<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: 10/17/18 15:20

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.2   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 7040         |           | 17.6      | 10.0       | 222       | 20       | 10/24/2018 02:24     | <a href="#">WG1183700</a> |

<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: 10/17/18 16:35

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.8   |           | 1        | 10/25/2018 11:27     | <a href="#">WG1185547</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 2110         |           | 4.11      | 10.0       | 51.7      | 5        | 10/23/2018 03:43     | <a href="#">WG1183487</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       | 5.56         |           | 0.0224    | 0.100      | 0.103     | 1        | 10/26/2018 04:40     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 92.1         |           |           |            | 77.0-120  |          | 10/26/2018 04:40     | <a href="#">WG1186456</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            |                     | 0.000413  | 0.00100    | 0.00103   | 1        | 10/21/2018 08:13     | <a href="#">WG1184117</a> |
| Toluene                    | U            |                     | 0.00129   | 0.00500    | 0.00517   | 1        | 10/21/2018 08:13     | <a href="#">WG1184117</a> |
| Ethylbenzene               | 0.00186      | <a href="#">B J</a> | 0.000548  | 0.00250    | 0.00258   | 1        | 10/21/2018 08:13     | <a href="#">WG1184117</a> |
| Total Xylenes              | 0.0154       |                     | 0.00494   | 0.00650    | 0.00672   | 1        | 10/21/2018 08:13     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 117          |                     |           |            | 75.0-131  |          | 10/21/2018 08:13     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 79.6         |                     |           |            | 65.0-129  |          | 10/21/2018 08:13     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 83.9         |                     |           |            | 80.0-120  |          | 10/21/2018 08:13     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 92.5         |                     |           |            | 67.0-138  |          | 10/21/2018 08:13     | <a href="#">WG1184117</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 | 13600        | <a href="#">J3</a> | 166       | 4.00       | 413       | 100      | 10/24/2018 01:12     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 4400         |                    | 28.3      | 4.00       | 413       | 100      | 10/24/2018 01:12     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 0.000        | <a href="#">J7</a> |           |            | 18.0-148  |          | 10/24/2018 01:12     | <a href="#">WG1184264</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/17/18 16:40

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 92.0   |           | 1        | 10/24/2018 15:15 | <a href="#">WG1185550</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 | 2610         |           | 4.32      | 10.0       | 54.3      | 5        | 10/23/2018 03:51 | <a href="#">WG1183487</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       | 52.6         |           | 0.590     | 0.100      | 2.72      | 25       | 10/26/2018 05:42 | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.5         |           |           |            | 77.0-120  |          | 10/26/2018 05:42 | <a href="#">WG1186456</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            |           | 0.000435  | 0.00100    | 0.00109   | 1        | 10/21/2018 08:33 | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00136   | 0.00500    | 0.00543   | 1        | 10/21/2018 08:33 | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000576  | 0.00250    | 0.00272   | 1        | 10/21/2018 08:33 | <a href="#">WG1184117</a> |
| Total Xylenes              | 0.0102       |           | 0.00520   | 0.00650    | 0.00707   | 1        | 10/21/2018 08:33 | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 112          |           |           |            | 75.0-131  |          | 10/21/2018 08:33 | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 74.2         |           |           |            | 65.0-129  |          | 10/21/2018 08:33 | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 84.6         |           |           |            | 80.0-120  |          | 10/21/2018 08:33 | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 91.9         |           |           |            | 67.0-138  |          | 10/21/2018 08:33 | <a href="#">WG1184117</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 | 4600         | <a href="#">J3</a> | 70.0      | 4.00       | 174       | 40       | 10/24/2018 00:45 | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 1290         |                    | 11.9      | 4.00       | 174       | 40       | 10/24/2018 00:45 | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 660          | <a href="#">J7</a> |           |            | 18.0-148  |          | 10/24/2018 00:45 | <a href="#">WG1184264</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/17/18 16:45

L1036403

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 84.9   |           | 1        | 10/24/2018 15:15     | <a href="#">WG1185550</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1780         |           | 4.68      | 10.0       | 58.9      | 5        | 10/23/2018 04:18     | <a href="#">WG1183487</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Collected date/time: 10/17/18 16:50

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.2   |           | 1        | 10/24/2018 15:15     | <a href="#">WG1185550</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 2150         |           | 4.41      | 10.0       | 55.4      | 5        | 10/23/2018 04:26     | <a href="#">WG1183487</a> |

<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: 10/17/18 16:55

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 87.0   |           | 1        | 10/24/2018 15:15     | <a href="#">WG1185550</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 2980         |           | 4.57      | 10.0       | 57.4      | 5        | 10/23/2018 04:35     | <a href="#">WG1183487</a> |

<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: 10/17/18 17:05

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.1   |           | 1        | 10/24/2018 15:15     | <a href="#">WG1185550</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 874          |           | 4.41      | 10.0       | 55.5      | 5        | 10/23/2018 04:44     | <a href="#">WG1183487</a> |

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

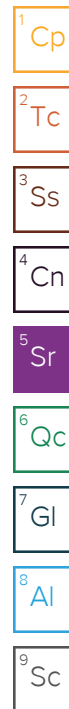
| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0488       | <u>J</u>  | 0.0241    | 0.100      | 0.111     | 1        | 10/26/2018 05:01     | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.0         |           |           |            | 77.0-120  |          | 10/26/2018 05:01     | <a href="#">WG1186456</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            |           | 0.000444  | 0.00100    | 0.00111   | 1        | 10/21/2018 08:53     | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00139   | 0.00500    | 0.00555   | 1        | 10/21/2018 08:53     | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000588  | 0.00250    | 0.00277   | 1        | 10/21/2018 08:53     | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00531   | 0.00650    | 0.00721   | 1        | 10/21/2018 08:53     | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 109          |           |           |            | 75.0-131  |          | 10/21/2018 08:53     | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 69.6         |           |           |            | 65.0-129  |          | 10/21/2018 08:53     | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 87.7         |           |           |            | 80.0-120  |          | 10/21/2018 08:53     | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 96.9         |           |           |            | 67.0-138  |          | 10/21/2018 08:53     | <a href="#">WG1184117</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 | 56.0         | <u>J3</u> | 1.79      | 4.00       | 4.44      | 1        | 10/23/2018 23:24     | <a href="#">WG1184264</a> |
| C28-C40 Oil Range    | 67.0         |           | 0.304     | 4.00       | 4.44      | 1        | 10/23/2018 23:24     | <a href="#">WG1184264</a> |
| (S) o-Terphenyl      | 41.2         |           |           |            | 18.0-148  |          | 10/23/2018 23:24     | <a href="#">WG1184264</a> |



Collected date/time: 10/17/18 17:10

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 91.4   |           | 1        | 10/24/2018 15:15 | <a href="#">WG1185550</a> |

1 Cp

2 Tc

3 Ss

4 Cn

## 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 | 1890         |           | 4.35      | 10.0       | 54.7      | 5        | 10/23/2018 04:53 | <a href="#">WG1183487</a> |

5 Sr

6 Qc

7 Gl

## 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            |           | 0.0238    | 0.100      | 0.109     | 1        | 10/26/2018 05:21 | <a href="#">WG1186456</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.6         |           |           |            | 77.0-120  |          | 10/26/2018 05:21 | <a href="#">WG1186456</a> |

8 Al

9 Sc

## 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            |           | 0.000438  | 0.00100    | 0.00109   | 1        | 10/21/2018 09:12 | <a href="#">WG1184117</a> |
| Toluene                    | U            |           | 0.00137   | 0.00500    | 0.00547   | 1        | 10/21/2018 09:12 | <a href="#">WG1184117</a> |
| Ethylbenzene               | U            |           | 0.000580  | 0.00250    | 0.00274   | 1        | 10/21/2018 09:12 | <a href="#">WG1184117</a> |
| Total Xylenes              | U            |           | 0.00523   | 0.00650    | 0.00711   | 1        | 10/21/2018 09:12 | <a href="#">WG1184117</a> |
| (S) Toluene-d8             | 115          |           |           |            | 75.0-131  |          | 10/21/2018 09:12 | <a href="#">WG1184117</a> |
| (S) Dibromofluoromethane   | 76.3         |           |           |            | 65.0-129  |          | 10/21/2018 09:12 | <a href="#">WG1184117</a> |
| (S) a,a,a-Trifluorotoluene | 85.6         |           |           |            | 80.0-120  |          | 10/21/2018 09:12 | <a href="#">WG1184117</a> |
| (S) 4-Bromofluorobenzene   | 94.7         |           |           |            | 67.0-138  |          | 10/21/2018 09:12 | <a href="#">WG1184117</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 | 2.15         | J         | 1.76      | 4.00       | 4.38      | 1        | 10/22/2018 10:58 | <a href="#">WG1184361</a> |
| C28-C40 Oil Range    | 3.33         | J         | 0.300     | 4.00       | 4.38      | 1        | 10/22/2018 10:58 | <a href="#">WG1184361</a> |
| (S) o-Terphenyl      | 82.1         |           |           |            | 18.0-148  |          | 10/22/2018 10:58 | <a href="#">WG1184361</a> |

Collected date/time: 10/17/18 17:15

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.3   |           | 1        | 10/24/2018 15:15     | <a href="#">WG1185550</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 1930         |           | 4.40      | 10.0       | 55.4      | 5        | 10/23/2018 05:02     | <a href="#">WG1183487</a> |

<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: 10/17/18 17:20

L1036403

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.3   |           | 1        | 10/24/2018 15:15     | <a href="#">WG1185550</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 4400         |           | 4.45      | 10.0       | 56.0      | 5        | 10/23/2018 05:10     | <a href="#">WG1183487</a> |

<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

[L1036403-01](#)

Method Blank (MB)

(MB) R3354139-1 10/25/18 10:39

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

L1036390-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1036390-01 10/25/18 10:39 • (DUP) R3354139-3 10/25/18 10:39

|              | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte      | %               | %          |          | %       |                      | %              |
| Total Solids | 80.8            | 82.7       | 1        | 2.32    |                      | 10             |

Laboratory Control Sample (LCS)

(LCS) R3354139-2 10/25/18 10:39

|              | 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

[L1036403-02,03,04,05,06,07,08,09,10,11](#)

Method Blank (MB)

(MB) R3353758-1 10/24/18 11:24

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

L1036403-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-07 10/24/18 11:24 • (DUP) R3353758-3 10/24/18 11:24

| Analyte      | Original Result<br>% | DUP Result<br>% | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits |
|--------------|----------------------|-----------------|----------|--------------|---------------|-------------------|
| Total Solids | 97.5                 | 97.5            | 1        | 0.0265       |               | 10                |

Laboratory Control Sample (LCS)

(LCS) R3353758-2 10/24/18 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         |               |

<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

[L1036403-12,13,14,15,16,17,18,19,20,21](#)

Method Blank (MB)

(MB) R3353751-1 10/24/18 11:03

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

L1036403-18 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-18 10/24/18 11:03 • (DUP) R3353751-3 10/24/18 11:03

| Analyte      | Original Result<br>% | DUP Result<br>% | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits |
|--------------|----------------------|-----------------|----------|--------------|---------------|-------------------|
| Total Solids | 97.5                 | 97.7            | 1        | 0.194        |               | 10                |

Laboratory Control Sample (LCS)

(LCS) R3353751-2 10/24/18 11:03

| 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         |               |

<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 L1036403-22,23,24,25,26,27,28,29,30,31

Method Blank (MB)

(MB) R3353744-1 10/24/18 10:38

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

L1036403-27 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-27 10/24/18 10:38 • (DUP) R3353744-3 10/24/18 10:38

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 95.2            | 95.7       | 1        | 0.480   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3353744-2 10/24/18 10:38

| 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

Total Solids by Method 2540 G-2011 [L1036403-32,33,34,35,36,37,38,39,40,41](#)

Method Blank (MB)

(MB) R3354097-1 10/25/18 11:27

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

L1036403-38 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-38 10/25/18 11:27 • (DUP) R3354097-3 10/25/18 11:27

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 90.4            | 90.1       | 1        | 0.359   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3354097-2 10/25/18 11:27

|              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Analyte      | %            | %          | %        | %           |               |
| 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

[L1036403-42,43,44,45,46,47,48,49](#)

Method Blank (MB)

(MB) R3353719-1 10/24/18 15:15

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

L1036403-49 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-49 10/24/18 15:15 • (DUP) R3353719-3 10/24/18 15:15

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 89.3            | 89.5       | 1        | 0.275   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3353719-2 10/24/18 15:15

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

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

Wet Chemistry by Method 300.0

L1036403-41,42,43,44,45,46,47,48,49

Method Blank (MB)

(MB) R3352973-1 10/23/18 00:47

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/kg     |              | mg/kg  | mg/kg  |
| Chloride | U         |              | 0.795  | 10.0   |

L1035750-07 Original Sample (OS) • Duplicate (DUP)

(OS) L1035750-07 10/23/18 01:22 • (DUP) R3352973-4 10/23/18 01:31

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg           | mg/kg      |          | %       |               | %              |
| Chloride | 1670            | 1810       | 5        | 8.15    |               | 20             |

L1036403-49 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-49 10/23/18 05:10 • (DUP) R3352973-7 10/23/18 05:19

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 4400                  | 4110             | 5        | 6.89    |               | 20             |

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

(LCS) R3352973-2 10/23/18 00:56 • (LCSD) R3352973-3 10/23/18 01:05

|          | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD  | RPD Limits |
|----------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|------|------------|
| Analyte  | mg/kg        | mg/kg      | mg/kg       | %        | %         | %           |               |                | %    | %          |
| Chloride | 200          | 204        | 208         | 102      | 104       | 90.0-110    |               |                | 1.95 | 20         |

L1036022-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1036022-04 10/23/18 03:08 • (MS) R3352973-5 10/23/18 03:16 • (MSD) R3352973-6 10/23/18 03:25

|          | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte  | mg/kg        | mg/kg           | mg/kg     | mg/kg      | %       | %        |          | %           |              |               | %    | %          |
| Chloride | 500          | 50.5            | 598       | 574        | 110     | 105      | 1        | 80.0-120    |              |               | 4.20 | 20         |

1

Cp

2

Tc

3

Ss

4

Cn

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

Wet Chemistry by Method 300.0

L1036403-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R3354112-1 10/25/18 16:42

| Analyte  | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | 3.89               | <u>J</u>     | 0.795           | 10.0            |

L1036403-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-01 10/25/18 17:22 • (DUP) R3354112-4 10/25/18 17:31

| 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 | 322                               | 271                          | 1        | 17.2         |               | 20                     |

L1036403-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-20 10/25/18 21:10 • (DUP) R3354112-7 10/25/18 21:19

| 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 | 534                               | 587                          | 1        | 9.46         |               | 20                     |

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

(LCS) R3354112-2 10/25/18 16:51 • (LCSD) R3354112-3 10/25/18 17:00

| 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>% |
|----------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Chloride | 200                   | 208                 | 197                  | 104           | 98.7           | 90.0-110         |               |                | 5.38     | 20              |

L1036403-10 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1036403-10 10/25/18 19:07 • (MS) R3354112-5 10/25/18 19:16 • (MSD) R3354112-6 10/25/18 19:25

| 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                            | 579                               | 1090                     | 1180                         | 99.0         | 116           | 1        | 80.0-120         | <u>E</u>     | <u>E</u>      | 7.64     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Wet Chemistry by Method 300.0

L1036403-21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38,39,40

Method Blank (MB)

(MB) R3353336-1 10/23/18 19:50

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/kg     |              | mg/kg  | mg/kg  |
| Chloride | U         |              | 0.795  | 10.0   |

L1036403-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-21 10/23/18 22:36 • (DUP) R3353336-4 10/23/18 22:45

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 141                   | 126              | 1        | 11.1    |               | 20             |

L1036403-40 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-40 10/24/18 02:24 • (DUP) R3353336-7 10/24/18 02:33

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 7040                  | 7030             | 20       | 0.151   |               | 20             |

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

(LCS) R3353336-2 10/23/18 19:58 • (LCSD) R3353336-3 10/23/18 20:07

|          | Spike Amount | LCS Result | LCSD Result | LCS Rec. | LCSD Rec. | Rec. Limits | LCS Qualifier | LCSD Qualifier | RPD   | RPD Limits |
|----------|--------------|------------|-------------|----------|-----------|-------------|---------------|----------------|-------|------------|
| Analyte  | mg/kg        | mg/kg      | mg/kg       | %        | %         | %           |               |                | %     | %          |
| Chloride | 200          | 215        | 213         | 107      | 107       | 90.0-110    |               |                | 0.659 | 20         |

L1036403-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1036403-30 10/24/18 00:21 • (MS) R3353336-5 10/24/18 00:30 • (MSD) R3353336-6 10/24/18 00:39

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |              |               | %    | %          |
| Chloride | 583                | 136                   | 757             | 706              | 107     | 97.9     | 1        | 80.0-120    |              |               | 6.96 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1036403-01,02,06,07,11,12,16,17,21,22,26,27,31,32,36,37,41,42,46,47

Method Blank (MB)

(MB) R3354266-2 10/25/18 22:07

| 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) | 99.5               |              |                 | 77.0-120        |

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

(LCS) R3354266-1 10/25/18 21:25 • (LCSD) R3354266-5 10/26/18 07:05

| 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                  | 4.81                | 4.57                 | 87.5          | 83.1           | 72.0-127         |               |                | 5.17     | 20              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     |                      | 101           | 100            | 77.0-120         |               |                |          |                 |

L1036403-42 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1036403-42 10/26/18 05:42 • (MS) R3354266-3 10/26/18 06:03 • (MSD) R3354266-4 10/26/18 06:23

| 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          | 5.98                           | 52.6                              | 148                      | 151                          | 64.0         | 65.6          | 25       | 10.0-151         |              |               | 1.62     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                                |                                   |                          |                              | 101          | 101           |          | 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

L1036403-01,02,06,07,11,12,16,17,21,22,26,27,31,32,36,37,41,42,46,47

Method Blank (MB)

(MB) R3353997-3 10/21/18 02:37

| Analyte                    | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                    | 0.000449           | U            | 0.000400        | 0.00100         |
| Ethylbenzene               | 0.000534           | U            | 0.000530        | 0.00250         |
| Toluene                    | U                  |              | 0.00125         | 0.00500         |
| Xylenes, Total             | U                  |              | 0.00478         | 0.00650         |
| (S) Toluene-d8             | 112                |              |                 | 75.0-131        |
| (S) Dibromofluoromethane   | 79.3               |              |                 | 65.0-129        |
| (S) a,a,a-Trifluorotoluene | 86.7               |              |                 | 80.0-120        |
| (S) 4-Bromofluorobenzene   | 106                |              |                 | 67.0-138        |

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) R3353997-1 10/21/18 01:18 • (LCSD) R3353997-2 10/21/18 01:38

| 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                 | 0.134               | 0.135                | 107           | 108            | 70.0-123         |               |                | 0.910    | 20              |
| Ethylbenzene               | 0.125                 | 0.0988              | 0.0993               | 79.0          | 79.4           | 74.0-126         |               |                | 0.512    | 20              |
| Toluene                    | 0.125                 | 0.117               | 0.118                | 93.7          | 94.5           | 75.0-121         |               |                | 0.864    | 20              |
| Xylenes, Total             | 0.375                 | 0.299               | 0.301                | 79.7          | 80.3           | 72.0-127         |               |                | 0.667    | 20              |
| (S) Toluene-d8             |                       |                     |                      | 104           | 103            | 75.0-131         |               |                |          |                 |
| (S) Dibromofluoromethane   |                       |                     |                      | 93.3          | 91.7           | 65.0-129         |               |                |          |                 |
| (S) a,a,a-Trifluorotoluene |                       |                     |                      | 90.4          | 90.9           | 80.0-120         |               |                |          |                 |
| (S) 4-Bromofluorobenzene   |                       |                     |                      | 100           | 92.4           | 67.0-138         |               |                |          |                 |

L1036403-17 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1036403-17 10/21/18 05:15 • (MS) R3353997-4 10/21/18 09:32 • (MSD) R3353997-5 10/21/18 09:54

| 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>% |
|----------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                    | 0.127                          | U                                 | 0.113                    | 0.140                        | 89.0         | 110           | 1        | 10.0-149         |              |               | 21.2     | 37              |
| Ethylbenzene               | 0.127                          | U                                 | 0.103                    | 0.123                        | 81.1         | 96.4          | 1        | 10.0-160         |              |               | 17.2     | 38              |
| Toluene                    | 0.127                          | U                                 | 0.118                    | 0.143                        | 92.8         | 112           | 1        | 10.0-156         |              |               | 18.6     | 38              |
| Xylenes, Total             | 0.382                          | U                                 | 0.306                    | 0.368                        | 80.0         | 96.3          | 1        | 10.0-160         |              |               | 18.5     | 38              |
| (S) Toluene-d8             |                                |                                   |                          |                              | 116          | 112           |          | 75.0-131         |              |               |          |                 |
| (S) Dibromofluoromethane   |                                |                                   |                          |                              | 74.9         | 78.1          |          | 65.0-129         |              |               |          |                 |
| (S) a,a,a-Trifluorotoluene |                                |                                   |                          |                              | 85.9         | 84.5          |          | 80.0-120         |              |               |          |                 |
| (S) 4-Bromofluorobenzene   |                                |                                   |                          |                              | 94.4         | 108           |          | 67.0-138         |              |               |          |                 |

Semi-Volatile Organic Compounds (GC) by Method 8015 L1036403-01,02,06,07,11,12,16,17,21,22,26,27,31,32,36,37,41,42,46

Method Blank (MB)

(MB) R3353340-1 10/23/18 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    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 75.1               |              |                 | 18.0-148        |

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

(LCS) R3353340-2 10/23/18 19:43 • (LCSD) R3353340-3 10/23/18 19:57

| 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>% |
|----------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| C10-C28 Diesel Range | 50.0                  | 40.2                | 30.7                 | 80.4          | 61.4           | 50.0-150         |               | J3             | 26.8     | 20              |
| (S) o-Terphenyl      |                       |                     |                      | 102           | 78.4           | 18.0-148         |               |                |          |                 |

L1036403-26 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1036403-26 10/24/18 16:37 • (MS) R3353654-1 10/24/18 16:50 • (MSD) R3353654-2 10/24/18 17:04

| Analyte              | Spike Amount (dry)<br>mg/kg | Original Result (dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result (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 | 55.6                        | 58.3                           | 35.5                     | 27.0                      | 0.000        | 0.000         | 4        | 50.0-150         | J6           | J3 J6         | 27.0     | 20              |
| (S) o-Terphenyl      |                             |                                |                          |                           | 77.8         | 70.6          |          | 18.0-148         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

L1036403-47

Method Blank (MB)

(MB) R3352797-1 10/22/18 10:04

| 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      | 88.9               |              |                 | 18.0-148        |

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

(LCS) R3352797-2 10/22/18 10:18 • (LCSD) R3352797-3 10/22/18 10:31

| 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>% |
|----------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| C10-C28 Diesel Range | 50.0                  | 44.3                | 40.5                 | 88.6          | 81.0           | 50.0-150         |               |                | 8.96     | 20              |
| (S) o-Terphenyl      |                       |                     |                      | 114           | 103            | 18.0-148         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

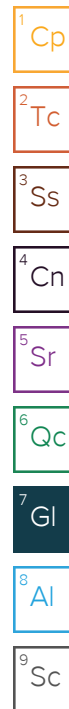
## Guide to Reading and Understanding Your Laboratory Report

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.

## 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.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| 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. |
| 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.                                                         |
| J3        | The associated batch QC was outside the established quality control range for precision.                                                    |
| J6        | The sample matrix interfered with the ability to make any accurate determination; spike value is low.                                       |
| J7        | Surrogate recovery cannot be used for control limit evaluation due to dilution.                                                             |



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                       | T 104704245-17-14 |
| 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              |

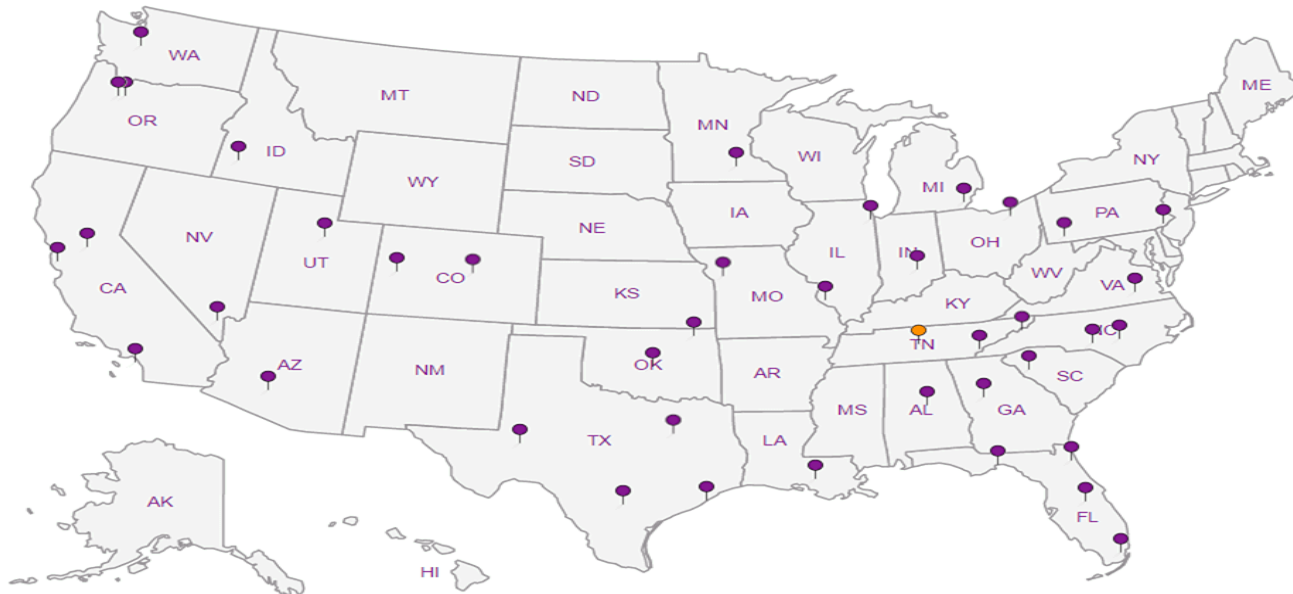
## Third Party Federal Accreditations

|                               |         |                     |               |
|-------------------------------|---------|---------------------|---------------|
| 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.





E061

## Analysis Request of Chain of Custody Record

Page 1 of 5



Tetra Tech, Inc.

 900 West Wall Street, Ste 100  
 Midland, Texas 79701  
 Tel (432) 682-4559  
 Fax (432) 682-3946

|                                   |                                                                             |                    |                 |
|-----------------------------------|-----------------------------------------------------------------------------|--------------------|-----------------|
| Client Name:                      | Conoco Phillips                                                             | Site Manager:      | Kayla Taylor    |
| Project Name:                     | COP MCA 2-C                                                                 |                    |                 |
| Project Location: (county, state) | Lea County, New Mexico                                                      | Project #:         | 212C-MD-01456   |
| Invoice to:                       | Accounts Payable<br>900 West Wall Street Suite 100 Midland, Texas 79701     |                    |                 |
| Receiving Laboratory:             | Pace Analytical                                                             | Sampler Signature: | Devin Dominguez |
| Comments:                         | COPTETRA Acctnum Run all chloride samples. Hold TPH: BTEX on marked samples |                    |                 |

 ANALYSIS REQUEST  
 (Circle or Specify Method No.)

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| LAB #<br><br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING   |      | MATRIX |      |  | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) |
|-----------------------------|-----------------------|------------|------|--------|------|--|---------------------|------------------|-----|------|--------------|----------------|
|                             |                       | YEAR: 2018 |      | WATER  | SOIL |  | HCL                 | HNO <sub>3</sub> | ICE | None |              |                |
|                             |                       | DATE       | TIME |        |      |  |                     |                  |     |      |              |                |
| 103640301                   | AH-1 (0'-1')          | 10/17/2018 | 850  |        | X    |  |                     |                  | X   |      | 1            | N              |
| 02                          | AH-1 (1'-2')          | 10/17/2018 | 855  |        | X    |  |                     |                  | X   |      | 1            | N              |
| 03                          | AH-1 (2'-3')          | 10/17/2018 | 900  |        | X    |  |                     |                  | X   |      | 1            | N              |
| 04                          | AH-1 (3'-4')          | 10/17/2018 | 905  |        | X    |  |                     |                  | X   |      | 1            | N              |
| 05                          | AH-1 (4'-5')          | 10/17/2018 | 910  |        | X    |  |                     |                  | X   |      | 1            | N              |
| 06                          | AH-2 (0'-1')          | 10/17/2018 | 915  |        | X    |  |                     |                  | X   |      | 1            | N              |
| 07                          | AH-2 (1'-2')          | 10/17/2018 | 920  |        | X    |  |                     |                  | X   |      | 1            | N              |
| 08                          | AH-2 (2'-3')          | 10/17/2018 | 925  |        | X    |  |                     |                  | X   |      | 1            | N              |
| 09                          | AH-2 (3'-4')          | 10/17/2018 | 930  |        | X    |  |                     |                  | X   |      | 1            | N              |
| 10                          | AH-2 (4'-5')          | 10/17/2018 | 935  |        | X    |  |                     |                  | X   |      | 1            | N              |

|                  |          |       |              |          |               |
|------------------|----------|-------|--------------|----------|---------------|
| Relinquished by: | Date:    | Time: | Received by: | Date:    | Time:         |
| Devin Dominguez  | 10-18-18 | 15:00 | [Signature]  | 10-18-18 | 15:00         |
| Relinquished by: | Date:    | Time: | Received by: | Date:    | Time:         |
|                  |          |       | [Signature]  | 8/1      | 10/11/18 8:45 |
| Relinquished by: | Date:    | Time: | Received by: | Date:    | Time:         |
|                  |          |       |              |          |               |

|                                               |                                                               |
|-----------------------------------------------|---------------------------------------------------------------|
| LAB USE ONLY                                  | REMARKS:                                                      |
|                                               | <input checked="" type="checkbox"/> STANDARD                  |
|                                               | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr     |
|                                               | <input type="checkbox"/> Rush Charges Authorized              |
| Sample Temperature                            | <input type="checkbox"/> Special Report Limits or TRRP Report |
| (Circle) HAND DELIVERED FEDEX UPS Tracking #: |                                                               |

RAD SCREEN: &lt;0.5 mR/hr

ORIGINAL COPY

2.92.89

## Analysis Request of Chain of Custody Record

Page 2 of 5

**Tetra Tech, Inc.**
 900 West Wall Street, Ste 100  
 Midland, Texas 79701  
 Tel (432) 682-4559  
 Fax (432) 682-3946

|                                   |                                                                         |                    |                 |
|-----------------------------------|-------------------------------------------------------------------------|--------------------|-----------------|
| Client Name:                      | Conoco Phillips                                                         | Site Manager:      | Kayla Taylor    |
| Project Name:                     | COP MCA 2-C                                                             |                    |                 |
| Project Location: (county, state) | Lea County, New Mexico                                                  | Project #:         | 212C-MD-01456   |
| Invoice to:                       | Accounts Payable<br>900 West Wall Street Suite 100 Midland, Texas 79701 |                    |                 |
| Receiving Laboratory:             | Pace Analytical                                                         | Sampler Signature: | Devin Dominguez |
| Comments:                         | COPTETRA Acctnum                                                        |                    |                 |

**ANALYSIS REQUEST**  
 (Circle or Specify Method No.)

| Project Location: (county, state) Lea County, New Mexico                            |                       | Project #: 212C-MD-01456           |      |        |      |                     |                  |     |      |              |                |                                                  |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |   |
|-------------------------------------------------------------------------------------|-----------------------|------------------------------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|--------------------------------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|---------------------------------------------|----------------------|-----------|------|--|---|
| Invoice to: Accounts Payable<br>900 West Wall Street Suite 100 Midland, Texas 79701 |                       |                                    |      |        |      |                     |                  |     |      |              |                |                                                  |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |   |
| Receiving Laboratory: Pace Analytical                                               |                       | Sampler Signature: Devin Dominguez |      |        |      |                     |                  |     |      |              |                |                                                  |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |   |
| Comments: COPTETRA Acctnum                                                          |                       |                                    |      |        |      |                     |                  |     |      |              |                |                                                  |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |   |
| LAB #<br><br>(LAB USE ONLY)                                                         | SAMPLE IDENTIFICATION | SAMPLING                           |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B BTEX 8260B<br>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: 2018                         |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | None |              |                |                                                  |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |   |
|                                                                                     |                       | DATE                               | TIME |        |      |                     |                  |     |      |              |                |                                                  |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |   |
| 11                                                                                  | AH-10 (0'-1')         | 10/17/2018                         | 1025 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |   |
| 12                                                                                  | AH-10 (1'-2')         | 10/17/2018                         | 1030 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |   |
| 13                                                                                  | AH-10 (2'-3')         | 10/17/2018                         | 1035 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  |   |
| 14                                                                                  | AH-10 (3'-4')         | 10/17/2018                         | 1040 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  | X |
| 15                                                                                  | AH-10 (4'-5')         | 10/17/2018                         | 1045 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  | X |
| 16                                                                                  | AH-9 (0'-1')          | 10/17/2018                         | 1055 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  | X |
| 17                                                                                  | AH-9 (1'-2')          | 10/17/2018                         | 1100 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  | X |
| 18                                                                                  | AH-9 (2'-3')          | 10/17/2018                         | 1105 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  | X |
| 19                                                                                  | AH-9 (3'-4')          | 10/17/2018                         | 1110 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  | X |
| 20                                                                                  | AH-9 (4'-5')          | 10/17/2018                         | 1115 |        | X    |                     |                  | X   |      | 1            | N              | X                                                | X                                 |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |  | X |

|                  |          |       |              |          |       |
|------------------|----------|-------|--------------|----------|-------|
| Relinquished by: | Date:    | Time: | Received by: | Date:    | Time: |
| Devin Dominguez  | 10-18-18 | 15:00 | [Signature]  | 10-18-18 | 15:00 |
| Relinquished by: | Date:    | Time: | Received by: | Date:    | Time: |
|                  |          |       | [Signature]  | 10/18/18 | 8:45  |
| Relinquished by: | Date:    | Time: | Received by: | Date:    | Time: |
|                  |          |       |              |          |       |

|                                                     |                                                               |
|-----------------------------------------------------|---------------------------------------------------------------|
| LAB USE ONLY                                        | REMARKS:                                                      |
|                                                     | <input checked="" type="checkbox"/> STANDARD                  |
|                                                     | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr     |
|                                                     | <input type="checkbox"/> Rush Charges Authorized              |
| Sample Temperature                                  | <input type="checkbox"/> Special Report Limits or TRRP Report |
| (Circle) HAND DELIVERED FEDEX UPS Tracking #: _____ |                                                               |

ORIGINAL COPY

RAD SCREEN: &lt;0.5 mR/hr

292.89



## Analysis Request of Chain of Custody Record

Page 3 of 5



## Tetra Tech, Inc.

900 West Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

|                                   |                                                                         |                    |                 |
|-----------------------------------|-------------------------------------------------------------------------|--------------------|-----------------|
| Client Name:                      | Conoco Phillips                                                         | Site Manager:      | Kayla Taylor    |
| Project Name:                     | COP MCA 2-C                                                             |                    |                 |
| Project Location: (county, state) | Lea County, New Mexico                                                  | Project #:         | 212C-MD-01456   |
| Invoice to:                       | Accounts Payable<br>900 West Wall Street Suite 100 Midland, Texas 79701 |                    |                 |
| Receiving Laboratory:             | Pace Analytical                                                         | Sampler Signature: | Devin Dominguez |
| Comments:                         | 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) | BTX 8021B | BTX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCBs 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | Hold |
|-----------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|-----------|-----------|-------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|-----------------|------|----------------|----------------|----------------------|---------------------------------------------|----------------------|-----------|------|
|                             |                       | YEAR: 2018 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | None |              |                |           |           |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                |                      |                                             |                      |           |      |
|                             |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |           |           |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                |                      |                                             |                      |           |      |

|          |                                      |            |      |  |   |  |  |   |  |   |   |   |   |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
|----------|--------------------------------------|------------|------|--|---|--|--|---|--|---|---|---|---|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|--|---|
| 1036472A | AH-8 (0'-1')                         | 10/17/2018 | 1125 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| 22       | AH-8 (1'-2')                         | 10/17/2018 | 1130 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| 23       | AH-8 (2'-3')                         | 10/17/2018 | 1135 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |   |
| 24       | AH-8 (3'-4')                         | 10/17/2018 | 1140 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| 25       | AH-8 (4'-5')                         | 10/17/2018 | 1145 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| 26       | AH-7 (0'-1')                         | 10/17/2018 | 1149 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| 27       | AH-7 (1'-2')                         | 10/17/2018 | 1154 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| 28       | AH-7 (2'-3')                         | 10/17/2018 | 1159 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| 29       | AH-7 (3'-4')                         | 10/17/2018 | 1206 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |
| 30       | <del>AH-7 (4'-5')</del> AH-7 (4'-4') | 10/17/2018 | 1209 |  | X |  |  | X |  | 1 | N | X | X |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | X |

Relinquished by

Relinquished by: Devin Dominguez Date: 10-18-18 Time: 1:50

Received by: [Signature] Date: 10-18-18 Time: 15:00

Relinquished by: Date: Time:

Received by: [Signature] Date: 10/18/18 Time: 8:45

Relinquished by: Date: Time:

Received by: Date: Time:

Relinquished by: Date: Time:

Received by: Date: Time:

## LAB USE ONLY

Sample Temperature

## REMARKS:

☒ STANDARD☐ RUSH: Same Day 24 hr 48 hr 72 hr☐ Rush Charges Authorized☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

RAD SCREEN: &lt;0.5 mR/hr

2.9 - 2.8

### Analysis Request of Chain of Custody Record

Page 4 of 5



**Tetra Tech, Inc.**

900 West Wall Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

|                                   |                                                                         |                    |                 |
|-----------------------------------|-------------------------------------------------------------------------|--------------------|-----------------|
| Client Name:                      | Conoco Phillips                                                         | Site Manager:      | Kayla Taylor    |
| Project Name:                     | COP MCA 2-C                                                             |                    |                 |
| Project Location: (county, state) | Lea County, New Mexico                                                  | Project #:         | 212C-MD-01456   |
| Invoice to:                       | Accounts Payable<br>900 West Wall Street Suite 100 Midland, Texas 79701 |                    |                 |
| Receiving Laboratory:             | Pace Analytical                                                         | Sampler Signature: | Devin Dominguez |
| Comments:                         | COPTETRA Acctnum                                                        |                    |                 |

**ANALYSIS REQUEST**  
(Circle or Specify Method No.)

[illegible]

Relinquished by: Devin Dominguez Date: 10-18-18 Time: 15:00

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: Kathleen Date: 10/8 Time: 15:00

Received by: W. S. C. 6/19/68 8:45 Date: Time:

Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

LAB USE ONLY

Sample Temperature

## REMARKS:

☒ STANDARD☐ RUSH: Same Day 24 hr 48 hr 72 hr☐ Rush Charges Authorized☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

RAD SCREEN: <0.5 mR/hr

2.9<sup>-0.1</sup> 2.5<sup>9</sup>



## Analysis Request of Chain of Custody Record

Page 5 of 5

**Tetra Tech, Inc.**
 900 West Wall Street, Ste 100  
 Midland, Texas 79701  
 Tel (432) 682-4559  
 Fax (432) 682-3946

|                                   |                                                                         |                    |                 |
|-----------------------------------|-------------------------------------------------------------------------|--------------------|-----------------|
| Client Name:                      | Conoco Phillips                                                         | Site Manager:      | Kayla Taylor    |
| Project Name:                     | COP MCA 2-C                                                             |                    |                 |
| Project Location: (county, state) | Lea County, New Mexico                                                  | Project #:         | 212C-MD-01456   |
| Invoice to:                       | Accounts Payable<br>900 West Wall Street Suite 100 Midland, Texas 79701 |                    |                 |
| Receiving Laboratory:             | Pace Analytical                                                         | Sampler Signature: | Devin Dominguez |
| Comments:                         | 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 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 8062 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | Hold |      |
|-----------------------------------|-----------------------|------------|------|--------|------|--|---------------------|------------------|-----|--------------|----------------|------------|------------------|-------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|---------------------------------------------|----------------------|-----------|------|------|
|                                   |                       | YEAR: 2018 |      | WATER  | SOIL |  | HCL                 | HNO <sub>3</sub> | ICE |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      | None |
|                                   |                       | DATE       | TIME |        |      |  |                     |                  |     |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |      |
| L10 36403-41                      | AH-4 (0'-1')          | 10/17/2018 | 1635 |        | X    |  |                     |                  | X   |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |      |
| 42                                | AH-4 (1'-2')          | 10/17/2018 | 1640 |        | X    |  |                     |                  | X   |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |      |
| 43                                | AH-4 (2'-3')          | 10/17/2018 | 1645 |        | X    |  |                     |                  | X   |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |      |
| 44                                | AH-4 (3'-4')          | 10/17/2018 | 1650 |        | X    |  |                     |                  | X   |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |      |
| 45                                | AH-4 (4'-5')          | 10/17/2018 | 1655 |        | X    |  |                     |                  | X   |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |      |
| 46                                | AH-3 (0'-1')          | 10/17/2018 | 1705 |        | X    |  |                     |                  | X   |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |      |
| 47                                | AH-3 (1'-2')          | 10/17/2018 | 1710 |        | X    |  |                     |                  | X   |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |      |
| 48                                | AH-3 (2'-3')          | 10/17/2018 | 1715 |        | X    |  |                     |                  | X   |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |      |
| 49                                | AH-3 (3'-4')          | 10/17/2018 | 1720 |        | X    |  |                     |                  | X   |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |      |
| Relinquished by _____ Date: _____ |                       |            |      |        |      |  |                     |                  |     |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |      |

|                  |          |       |              |          |       |
|------------------|----------|-------|--------------|----------|-------|
| Relinquished by: | Date:    | Time: | Received by: | Date:    | Time: |
| Devin Dominguez  | 10-18-18 | 15:00 | [Signature]  | 10-18-18 | 15:00 |
| Relinquished by: | Date:    | Time: | Received by: | Date:    | Time: |
| [Signature]      |          |       | [Signature]  | 10/19/18 | 8:45  |
| Relinquished by: | Date:    | Time: | Received by: | Date:    | Time: |
|                  |          |       |              |          |       |

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| LAB USE ONLY       | REMARKS:                                                      |
|                    | <input checked="" type="checkbox"/> STANDARD                  |
| Sample Temperature | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr     |
|                    | <input type="checkbox"/> Rush Charges Authorized              |
|                    | <input type="checkbox"/> Special Report Limits or TRRP Report |

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

RAD SCREEN: &lt;0.5 mR/hr

ORIGINAL COPY

2.9<sup>-0.1</sup>  
2.8<sup>-0.5</sup>

## Pace Analytical National Center for Testing & Innovation Cooler Receipt Form

|                                                                                               |                 |              |                 |  |
|-----------------------------------------------------------------------------------------------|-----------------|--------------|-----------------|--|
| Client:                                                                                       | <i>COPIETRA</i> | SDG#         | <i>L1036403</i> |  |
| Cooler Received/Opened On: 10/17/18                                                           |                 | Temperature: | <i>2.8</i>      |  |
| Received By: Kevin Turner                                                                     |                 |              |                 |  |
| Signature:  |                 |              |                 |  |
|                                                                                               |                 |              |                 |  |
| <b>Receipt Check List</b>                                                                     | <b>NP</b>       | <b>Yes</b>   | <b>No</b>       |  |
| 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

November 06, 2018

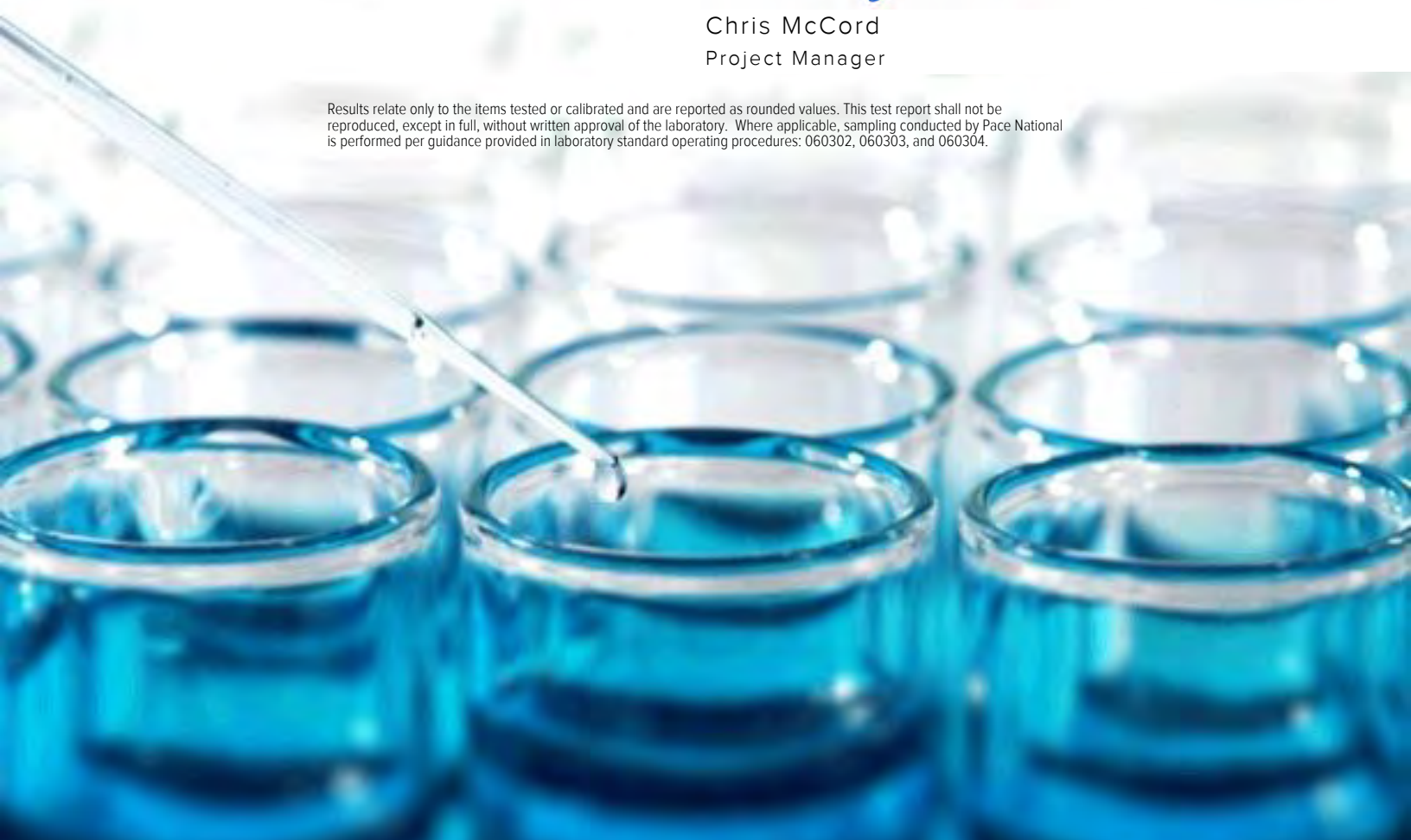
**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1038954  
Samples Received: 10/19/2018  
Project Number: 212C-MD-01456  
Description: COP MCA 2-C  
Site: LEA COUNTY, NEW MEXICO  
Report To: Kayla Taylor  
4001 N. Big Spring St., Ste. 401  
Midland, TX 79705

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 National is performed per guidance provided in laboratory standard operating procedures: 060302, 060303, and 060304.





|                                                     |    |                 |
|-----------------------------------------------------|----|-----------------|
| Cp: Cover Page                                      | 1  | <sup>1</sup> Cp |
| Tc: Table of Contents                               | 2  |                 |
| Ss: Sample Summary                                  | 3  | <sup>2</sup> Tc |
| Cn: Case Narrative                                  | 4  |                 |
| Sr: Sample Results                                  | 5  | <sup>3</sup> Ss |
| AH-4 (2-3') L1038954-01                             | 5  |                 |
| AH-4 (3-4') L1038954-02                             | 6  | <sup>4</sup> Cn |
| AH-4 (4-5') L1038954-03                             | 7  | <sup>5</sup> Sr |
| Qc: Quality Control Summary                         | 8  |                 |
| Total Solids by Method 2540 G-2011                  | 8  | <sup>6</sup> Qc |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 9  |                 |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 10 | <sup>7</sup> Gl |
| Gl: Glossary of Terms                               | 11 | <sup>8</sup> Al |
| Al: Accreditations & Locations                      | 12 |                 |
| Sc: Sample Chain of Custody                         | 13 | <sup>9</sup> Sc |

## AH-4 (2-3') L1038954-01 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 16:45  
Received date/time 10/19/18 08:45

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1185550 | 1        | 10/24/18 15:08        | 10/24/18 15:15     | JWW     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1189203 | 1        | 10/30/18 16:26        | 10/31/18 19:08     | LRL     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1189112 | 1        | 10/31/18 06:13        | 11/01/18 06:32     | AAT     |

<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

## AH-4 (3-4') L1038954-02 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 16:50  
Received date/time 10/19/18 08:45

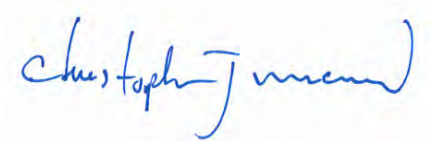
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1185550 | 1        | 10/24/18 15:08        | 10/24/18 15:15     | JWW     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1189203 | 1        | 10/30/18 16:26        | 10/31/18 19:29     | LRL     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1189112 | 2        | 10/31/18 06:13        | 11/01/18 06:49     | AAT     |

## AH-4 (4-5') L1038954-03 Solid

Collected by Devin Dominguez  
Collected date/time 10/17/18 16:55  
Received date/time 10/19/18 08:45

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1185550 | 1        | 10/24/18 15:08        | 10/24/18 15:15     | JWW     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1189203 | 1        | 10/30/18 16:26        | 10/31/18 19:50     | LRL     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1189112 | 10       | 10/31/18 06:13        | 11/01/18 12:19     | KME     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1189112 | 2        | 10/31/18 06:13        | 11/01/18 07:06     | AAT     |

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: 10/17/18 16:45

L1038954

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 84.9   |           | 1        | 10/24/2018 15:15     | <a href="#">WG1185550</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       | 0.0465       | J         | 0.0256    | 0.100      | 0.118     | 1        | 10/31/2018 19:08     | <a href="#">WG1189203</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.3         |           |           |            | 77.0-120  |          | 10/31/2018 19:08     | <a href="#">WG1189203</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 | 311          |           | 1.90      | 4.00       | 4.71      | 1        | 11/01/2018 06:32     | <a href="#">WG1189112</a> |
| C28-C40 Oil Range    | 101          |           | 0.323     | 4.00       | 4.71      | 1        | 11/01/2018 06:32     | <a href="#">WG1189112</a> |
| (S) o-Terphenyl      | 91.4         |           |           |            | 18.0-148  |          | 11/01/2018 06:32     | <a href="#">WG1189112</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/17/18 16:50

L1038954

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.2   |           | 1        | 10/24/2018 15:15     | <a href="#">WG1185550</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       | 0.0640       | J         | 0.0241    | 0.100      | 0.111     | 1        | 10/31/2018 19:29     | <a href="#">WG1189203</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.1         |           |           |            | 77.0-120  |          | 10/31/2018 19:29     | <a href="#">WG1189203</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 | 595          |           | 3.57      | 4.00       | 8.87      | 2        | 11/01/2018 06:49     | <a href="#">WG1189112</a> |
| C28-C40 Oil Range    | 207          |           | 0.607     | 4.00       | 8.87      | 2        | 11/01/2018 06:49     | <a href="#">WG1189112</a> |
| (S) o-Terphenyl      | 130          |           |           |            | 18.0-148  |          | 11/01/2018 06:49     | <a href="#">WG1189112</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 10/17/18 16:55

L1038954

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 87.0   |           | 1        | 10/24/2018 15:15     | <a href="#">WG1185550</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       | 0.169        |           | 0.0249    | 0.100      | 0.115     | 1        | 10/31/2018 19:50     | <a href="#">WG1189203</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.2         |           |           |            | 77.0-120  |          | 10/31/2018 19:50     | <a href="#">WG1189203</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 | 981          |                    | 18.5      | 4.00       | 46.0      | 10       | 11/01/2018 12:19     | <a href="#">WG1189112</a> |
| C28-C40 Oil Range    | 327          |                    | 0.630     | 4.00       | 9.19      | 2        | 11/01/2018 07:06     | <a href="#">WG1189112</a> |
| (S) o-Terphenyl      | 126          |                    |           |            | 18.0-148  |          | 11/01/2018 07:06     | <a href="#">WG1189112</a> |
| (S) o-Terphenyl      | 267          | <a href="#">J1</a> |           |            | 18.0-148  |          | 11/01/2018 12:19     | <a href="#">WG1189112</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc



Total Solids by Method 2540 G-2011 L1038954-01,02,03

Method Blank (MB)

(MB) R3353719-1 10/24/18 15:15

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

L1036403-49 Original Sample (OS) • Duplicate (DUP)

(OS) L1036403-49 10/24/18 15:15 • (DUP) R3353719-3 10/24/18 15:15

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 89.3            | 89.5       | 1        | 0.275   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3353719-2 10/24/18 15:15

| 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

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

L1038954-01,02,03

Method Blank (MB)

(MB) R3355838-4 10/31/18 18:25

| 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) | 95.8               |              |                 | 77.0-120        |

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

(LCS) R3355838-3 10/31/18 17:22 • (LCSD) R3355838-5 10/31/18 20:33

| 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                  | 5.96                | 5.65                 | 108           | 103            | 72.0-127         |               |                | 5.48     | 20              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     |                      | 111           | 109            | 77.0-120         |               |                |          |                 |

L1038527-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1038527-03 11/01/18 04:40 • (MS) R3355838-8 11/01/18 05:43 • (MSD) R3355838-9 11/01/18 06:05

| 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          | 6.58                           | 212                               | 470                      | 489                          | 39.2         | 42.0          | 100      | 10.0-151         |              |               | 3.84     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                                |                                   |                          |                              | 105          | 106           |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

L1038954-01,02,03

Method Blank (MB)

(MB) R3355748-1 10/31/18 15:47

| 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      | 85.1               |              |                 | 18.0-148        |

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

(LCS) R3355748-2 10/31/18 16:21 • (LCSD) R3355748-3 10/31/18 16:38

| 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>% |
|----------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| C10-C28 Diesel Range | 50.0                  | 41.2                | 37.2                 | 82.4          | 74.4           | 50.0-150         |               |                | 10.2     | 20              |
| (S) o-Terphenyl      |                       |                     |                      | 104           | 96.2           | 18.0-148         |               |                |          |                 |

L1037879-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1037879-01 11/01/18 04:33 • (MS) R3355748-4 11/01/18 05:58 • (MSD) R3355748-5 11/01/18 06:15

| 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>% |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 50.0                  | ND                       | 51.2               | 35.7                | 102          | 71.4          | 1        | 50.0-150         |              | J3            | 35.7     | 20              |
| (S) o-Terphenyl      |                       |                          |                    |                     | 93.7         | 71.5          |          | 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.

## 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. |
| 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.      |
| 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. |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 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                       | T 104704245-17-14 |
| 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              |

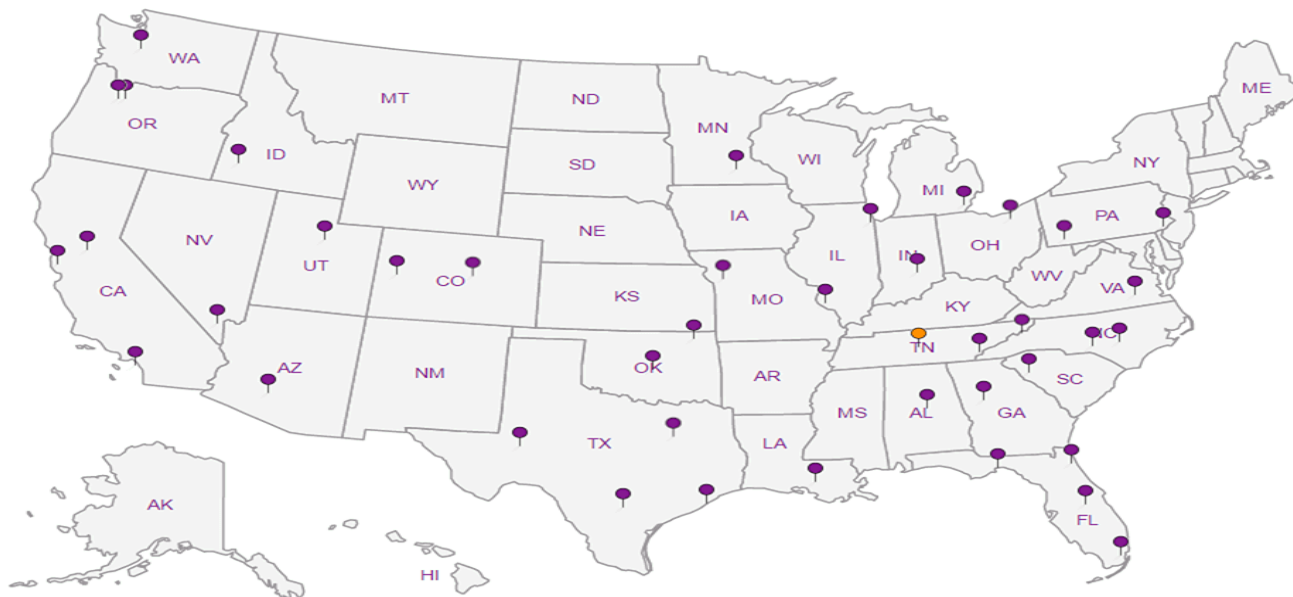
## Third Party Federal Accreditations

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



Tetra Tech, Inc.

 900 West Wall Street, Ste 100  
 Midland, Texas 79701  
 Tel (432) 682-4555  
 Fax (432) 682-3946

Page 5 of

|                                   |                                                                         |                    |                 |
|-----------------------------------|-------------------------------------------------------------------------|--------------------|-----------------|
| Client Name:                      | Conoco Phillips                                                         | Site Manager:      | Kayla Taylor    |
| Project Name:                     | COP MCA 2-C                                                             |                    |                 |
| Project Location: (county, state) | Lea County, New Mexico                                                  | Project #:         | 212C-MD-01456   |
| Invoice to:                       | Accounts Payable<br>900 West Wall Street Suite 100 Midland, Texas 79701 |                    |                 |
| Receiving Laboratory:             | Pace Analytical                                                         | Sampler Signature: | Devin Dominguez |
| Comments:                         | 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) | ANALYSIS                 |                         |                |                     |     |                        |                       |                  |      |                |                |                      |                         |                      |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|                             |                       | YEAR: 2018 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | None |              |                | Total Metals Ag As Ba Cd | TCLP Metals Ag As Ba Cd | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8250B / 624 | GC/MS Semi Vol. 8270C | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry | Anion/Cation Balance | TPH 8015F |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|                             |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |                          |                         |                |                     |     |                        |                       |                  |      |                |                |                      |                         |                      |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 110-01                      | 6103895Y              | 10/17/2018 | 1635 |        | X    |                     |                  | X   |      | 1            | N              | X                        | X                       |                |                     |     |                        |                       |                  |      |                |                |                      |                         |                      |           |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

Relinquished by: Devin Dominguez 10-18-18 15:00

Received by: [Signature] 10-18-18 15:00

Relinquished by: [Signature]

Received by: [Signature] 10-19-18 8:45

Relinquished by:

Received by:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #

RAD SCREEN: &lt;0.5 mR/hr

ORIGINAL COPY

2.9-0.1  
2.92.345



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**Andy Vann**

**From:** Chris McCord  
**Sent:** Monday, October 29, 2018 8:36 AM  
**To:** Login; Sample Storage; Due VOC; Due SVOC  
**Subject:** L1036403 \*COPETRA\* relog goes OOH, 10/31

**Importance:** High

Please relog L1036403-43, -44, -45 for GRO, DRORLA, and TS. Transfer TS. Log as R5 due 11/5.

Thanks,  
Christopher McCord  
*Project Manager*

Pace Analytical National Center for Testing & Innovation  
12065 Lebanon Road | Mt. Juliet, TN 37122  
615.773.3281 | Cell 615.504.3183  
[cmccord@pacenational.com](mailto:cmccord@pacenational.com) | [www.pacenational.com](http://www.pacenational.com)

***ESC Lab Sciences is now Pace Analytical National Center for Testing & Innovation! Please make note of my new email address and website.***

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**From:** LovelyTaylor, Kayla [<mailto:LovelyTaylor@tetratech.com>]  
**Sent:** Monday, October 29, 2018 8:06 AM  
**To:** Chris McCord  
**Subject:** RE: Pace National Report for 212C-MD-01456 COP MCA 2-C L1036403

Hi Chris,

The TPH numbers for AH-4 were over the standards at the (1-2') interval. Please run the three deeper intervals, AH-4 (2-3'), (3-4'), and (4-5') to see where it delineates.

Thanks!

-Kayla



## ANALYTICAL REPORT

March 16, 2020

**ConocoPhillips - Tetra Tech**

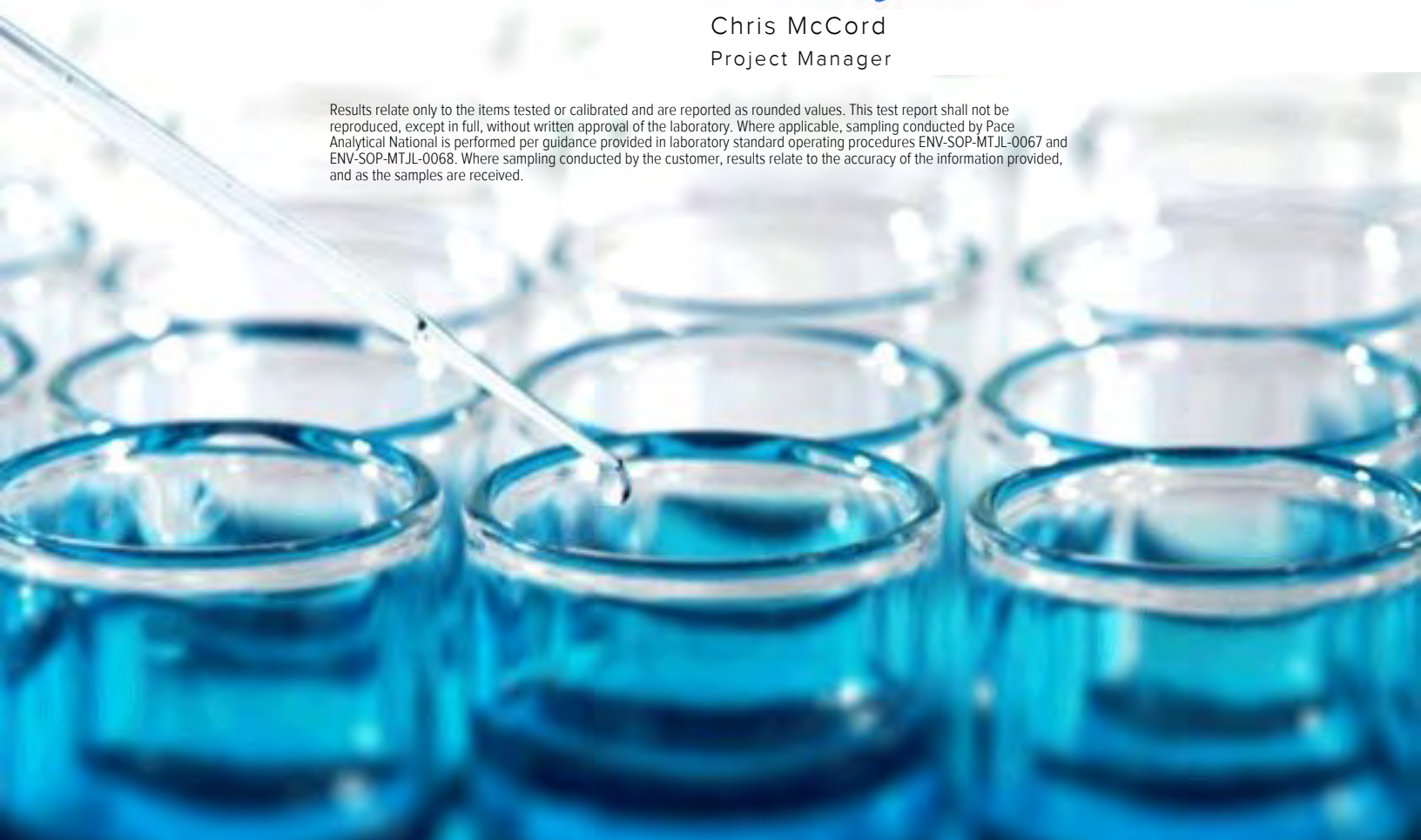
Sample Delivery Group: L1196380  
Samples Received: 03/06/2020  
Project Number: 212C-MD-02119  
Description: COP MCA 2-C Header Release  
Site: LEA COUNTY, NEW MEXICO  
Report To: Christian Llull  
901 West Wall  
Suite 100  
Midland, TX 79701

<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

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.



|                                                     |    |
|-----------------------------------------------------|----|
| Cp: Cover Page                                      | 1  |
| Tc: Table of Contents                               | 2  |
| Ss: Sample Summary                                  | 3  |
| Cn: Case Narrative                                  | 8  |
| Sr: Sample Results                                  | 9  |
| T-1 (1'-2') L1196380-01                             | 9  |
| T-1 (3'-4') L1196380-02                             | 10 |
| T-1 (5'-6') L1196380-03                             | 11 |
| AH-1S (0'-1') L1196380-04                           | 12 |
| AH-1S (3'-4') L1196380-05                           | 13 |
| AH-1E (0'-1') L1196380-06                           | 14 |
| AH-1E (3'-4') L1196380-07                           | 15 |
| AH-1W (0'-1') L1196380-08                           | 16 |
| AH-1W (3'-4') L1196380-09                           | 17 |
| T-2 (1'-2') L1196380-10                             | 18 |
| T-2 (3'-4') L1196380-11                             | 19 |
| T-2 (5'-6') L1196380-12                             | 20 |
| AH-2W (0'-1') L1196380-13                           | 21 |
| AH-2W (3'-4') L1196380-14                           | 22 |
| AH-2E (0'-1') L1196380-15                           | 23 |
| AH-2E (3'-4') L1196380-16                           | 24 |
| T-3 (1'-2') L1196380-17                             | 25 |
| T-3 (3'-4') L1196380-18                             | 26 |
| T-3 (6'-7') L1196380-19                             | 27 |
| T-3 (10'-11') L1196380-20                           | 28 |
| AH-3E (0'-1') L1196380-21                           | 29 |
| AH-3E (3'-4') L1196380-22                           | 30 |
| T-4 (1'-2') L1196380-23                             | 31 |
| T-4 (5'-6') L1196380-24                             | 32 |
| T-4 (8'-9') L1196380-25                             | 33 |
| Qc: Quality Control Summary                         | 34 |
| Total Solids by Method 2540 G-2011                  | 34 |
| Wet Chemistry by Method 300.0                       | 38 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 41 |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 45 |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 49 |
| Gl: Glossary of Terms                               | 52 |
| Al: Accreditations & Locations                      | 53 |
| Sc: Sample Chain of Custody                         | 54 |

|                 |
|-----------------|
| <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 |

## T-1 (1'-2') L1196380-01 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 11:00 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440589 | 1        | 03/10/20 09:35           | 03/10/20 09:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 01:15         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1.01     | 03/06/20 23:59           | 03/09/20 14:33         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439823 | 1        | 03/06/20 23:59           | 03/07/20 13:49         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440342 | 1        | 03/09/20 09:07           | 03/10/20 04:25         | KME                                   | Mt. Juliet, TN                       |

## T-1 (3'-4') L1196380-02 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 11:10 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440589 | 1        | 03/10/20 09:35           | 03/10/20 09:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 01:32         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1441449 | 1.01     | 03/06/20 23:59           | 03/10/20 19:36         | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439823 | 1        | 03/06/20 23:59           | 03/07/20 14:08         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440342 | 1        | 03/09/20 09:07           | 03/10/20 14:34         | KME                                   | Mt. Juliet, TN                       |

## T-1 (5'-6') L1196380-03 Solid

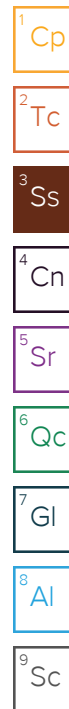
|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 11:20 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440589 | 1        | 03/10/20 09:35           | 03/10/20 09:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 02:26         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/06/20 23:59           | 03/09/20 15:14         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439823 | 1.14     | 03/06/20 23:59           | 03/07/20 14:28         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440342 | 1        | 03/09/20 09:07           | 03/10/20 04:13         | KME                                   | Mt. Juliet, TN                       |

## AH-1S (0'-1') L1196380-04 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 11:30 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32           | 03/10/20 16:41         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 03:02         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/06/20 23:59           | 03/09/20 15:35         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439823 | 1.2      | 03/06/20 23:59           | 03/07/20 14:47         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440342 | 10       | 03/09/20 09:07           | 03/10/20 14:46         | KME                                   | Mt. Juliet, TN                       |

## AH-1S (3'-4') L1196380-05 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 11:50 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32           | 03/10/20 16:41         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 03:20         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/06/20 23:59           | 03/09/20 15:55         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439823 | 1        | 03/06/20 23:59           | 03/07/20 15:06         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1441726 | 1        | 03/10/20 09:16           | 03/11/20 12:46         | KME                                   | Mt. Juliet, TN                       |



## AH-1E (0'-1') L1196380-06 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 12:00 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32           | 03/10/20 16:41         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 04:13         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/06/20 23:59           | 03/09/20 17:59         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439823 | 1        | 03/06/20 23:59           | 03/07/20 15:25         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1441726 | 1        | 03/10/20 09:16           | 03/11/20 12:59         | KME                                   | Mt. Juliet, TN                       |

## AH-1E (3'-4') L1196380-07 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 12:10 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32           | 03/10/20 16:41         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 04:31         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/07/20 07:44           | 03/09/20 18:19         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44           | 03/07/20 23:50         | ACG                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1441726 | 1        | 03/10/20 09:16           | 03/11/20 12:08         | KME                                   | Mt. Juliet, TN                       |

## AH-1W (0'-1') L1196380-08 Solid

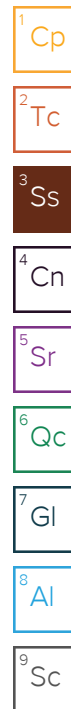
|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 12:20 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32           | 03/10/20 16:41         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 04:49         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/07/20 07:44           | 03/09/20 18:40         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44           | 03/08/20 00:11         | ACG                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1441726 | 1        | 03/10/20 09:16           | 03/11/20 11:55         | KME                                   | Mt. Juliet, TN                       |

## AH-1W (3'-4') L1196380-09 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 13:00 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32           | 03/10/20 16:41         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 05:07         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/07/20 07:44           | 03/09/20 19:00         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44           | 03/08/20 00:31         | ACG                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1441726 | 1        | 03/10/20 09:16           | 03/11/20 11:43         | KME                                   | Mt. Juliet, TN                       |

## T-2 (1'-2') L1196380-10 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 13:10 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32           | 03/10/20 16:41         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15           | 03/11/20 05:25         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/07/20 07:44           | 03/09/20 19:21         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44           | 03/08/20 00:51         | ACG                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1441726 | 20       | 03/10/20 09:16           | 03/11/20 13:11         | KME                                   | Mt. Juliet, TN                       |





## T-2 (3'-4') L1196380-11 Solid

Collected by  
Adrian

Collected date/time  
03/03/20 13:20

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32        | 03/10/20 16:41     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15        | 03/11/20 05:43     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/07/20 07:44        | 03/09/20 19:41     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44        | 03/08/20 01:11     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1441726 | 1        | 03/10/20 09:16        | 03/11/20 12:21     | KME     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## T-2 (5'-6') L1196380-12 Solid

Collected by  
Adrian

Collected date/time  
03/03/20 13:30

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32        | 03/10/20 16:41     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15        | 03/11/20 06:01     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440503 | 1        | 03/07/20 07:44        | 03/09/20 20:02     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44        | 03/08/20 01:32     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1441726 | 1        | 03/10/20 09:16        | 03/11/20 12:33     | KME     | Mt. Juliet, TN |

## AH-2W (0'-1') L1196380-13 Solid

Collected by  
Adrian

Collected date/time  
03/03/20 14:00

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440590 | 1        | 03/10/20 16:32        | 03/10/20 16:41     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15        | 03/11/20 06:19     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440608 | 1        | 03/07/20 07:44        | 03/09/20 21:56     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44        | 03/08/20 01:52     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32        | 03/11/20 19:35     | JDG     | Mt. Juliet, TN |

## AH-2W (3'-4') L1196380-14 Solid

Collected by  
Adrian

Collected date/time  
03/03/20 14:10

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32        | 03/10/20 15:47     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15        | 03/11/20 06:37     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440608 | 1        | 03/07/20 07:44        | 03/09/20 22:20     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44        | 03/08/20 03:12     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32        | 03/11/20 16:42     | FM      | Mt. Juliet, TN |

## AH-2E (0'-1') L1196380-15 Solid

Collected by  
Adrian

Collected date/time  
03/03/20 14:20

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32        | 03/10/20 15:47     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15        | 03/11/20 06:55     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440608 | 1        | 03/07/20 07:44        | 03/09/20 22:44     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 2        | 03/07/20 07:44        | 03/08/20 03:33     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32        | 03/11/20 16:04     | FM      | Mt. Juliet, TN |



## AH-2E (3'-4') L1196380-16 Solid

Collected by  
Adrian

Collected date/time  
03/03/20 14:30

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32        | 03/10/20 15:47     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 1        | 03/10/20 20:15        | 03/11/20 07:48     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440608 | 1        | 03/07/20 07:44        | 03/09/20 23:08     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44        | 03/08/20 03:53     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32        | 03/11/20 14:47     | FM      | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

## T-3 (1'-2') L1196380-17 Solid

Collected by  
Adrian

Collected date/time  
03/04/20 10:00

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32        | 03/10/20 15:47     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 5        | 03/10/20 20:15        | 03/11/20 08:06     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440608 | 1        | 03/07/20 07:44        | 03/09/20 23:31     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1440467 | 1        | 03/07/20 07:44        | 03/09/20 13:34     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 5        | 03/10/20 08:32        | 03/11/20 20:25     | JDG     | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

## T-3 (3'-4') L1196380-18 Solid

Collected by  
Adrian

Collected date/time  
03/04/20 10:10

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32        | 03/10/20 15:47     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 10       | 03/10/20 20:15        | 03/11/20 08:24     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440608 | 1        | 03/07/20 07:44        | 03/09/20 23:55     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44        | 03/08/20 04:34     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32        | 03/11/20 16:29     | FM      | Mt. Juliet, TN |

9 Sc

## T-3 (6'-7') L1196380-19 Solid

Collected by  
Adrian

Collected date/time  
03/04/20 10:30

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32        | 03/10/20 15:47     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 5        | 03/10/20 20:15        | 03/11/20 08:42     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440608 | 1        | 03/07/20 07:44        | 03/10/20 00:19     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44        | 03/08/20 04:54     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32        | 03/11/20 16:16     | FM      | Mt. Juliet, TN |

## T-3 (10'-11') L1196380-20 Solid

Collected by  
Adrian

Collected date/time  
03/04/20 10:50

Received date/time  
03/06/20 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32        | 03/10/20 15:47     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1441019 | 5        | 03/10/20 20:15        | 03/11/20 09:00     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440814 | 1        | 03/07/20 07:44        | 03/11/20 02:05     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44        | 03/08/20 05:14     | ACG     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32        | 03/11/20 15:00     | FM      | Mt. Juliet, TN |

## AH-3E (0'-1') L1196380-21 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/04/20 11:30 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32           | 03/10/20 15:47         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1440418 | 1        | 03/10/20 09:35           | 03/10/20 19:16         | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440814 | 1        | 03/07/20 07:44           | 03/11/20 02:29         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1439944 | 1        | 03/07/20 07:44           | 03/08/20 05:34         | ACG                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32           | 03/12/20 16:24         | FM                                    | Mt. Juliet, TN                       |

1 Cp

2 Tc

3 Ss

4 Cn

## AH-3E (3'-4') L1196380-22 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/04/20 11:50 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32           | 03/10/20 15:47         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1440418 | 1        | 03/10/20 09:35           | 03/10/20 19:25         | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440814 | 1        | 03/07/20 07:44           | 03/11/20 02:53         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1440544 | 1        | 03/07/20 07:44           | 03/09/20 16:15         | JAH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32           | 03/11/20 16:54         | FM                                    | Mt. Juliet, TN                       |

5 Sr

6 Qc

7 Gl

8 Al

## T-4 (1'-2') L1196380-23 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/04/20 13:00 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440591 | 1        | 03/10/20 15:32           | 03/10/20 15:47         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1440418 | 1        | 03/10/20 09:35           | 03/10/20 19:35         | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440814 | 1        | 03/07/20 07:44           | 03/11/20 03:17         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1440544 | 1        | 03/07/20 07:44           | 03/09/20 16:35         | JAH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 5        | 03/10/20 08:32           | 03/11/20 20:13         | JDG                                   | Mt. Juliet, TN                       |

9 Sc

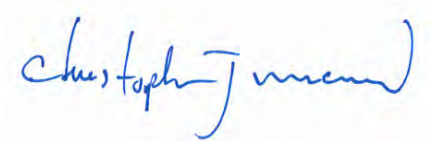
## T-4 (5'-6') L1196380-24 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/04/20 13:30 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440592 | 1        | 03/10/20 15:03           | 03/10/20 15:12         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1440418 | 20       | 03/10/20 09:35           | 03/10/20 19:44         | LBR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440814 | 1        | 03/07/20 07:44           | 03/11/20 03:41         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1440544 | 1        | 03/07/20 07:44           | 03/09/20 16:56         | JAH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32           | 03/11/20 15:13         | FM                                    | Mt. Juliet, TN                       |

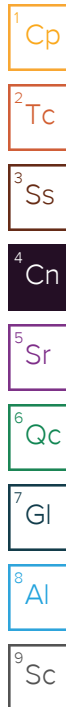
## T-4 (8'-9') L1196380-25 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/04/20 14:00 | Received date/time<br>03/06/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1440592 | 1        | 03/10/20 15:03           | 03/10/20 15:12         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1441166 | 10       | 03/10/20 21:00           | 03/11/20 02:50         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1440814 | 1        | 03/07/20 07:44           | 03/11/20 04:05         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1440544 | 1        | 03/07/20 07:44           | 03/09/20 17:16         | JAH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1440864 | 1        | 03/10/20 08:32           | 03/11/20 17:07         | FM                                    | 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: 03/03/20 11:00

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 88.9   |           | 1        | 03/10/2020 09:43 | <a href="#">WG1440589</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 | 243          |           | 0.894     | 11.2      | 1        | 03/11/2020 01:15 | <a href="#">WG1441019</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            |           | 0.0246    | 0.114     | 1.01     | 03/09/2020 14:33 | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.5         |           |           | 77.0-120  |          | 03/09/2020 14:33 | <a href="#">WG1440503</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            |           | 0.000450  | 0.00112   | 1        | 03/07/2020 13:49 | <a href="#">WG1439823</a> |
| Toluene                   | U            |           | 0.00141   | 0.00562   | 1        | 03/07/2020 13:49 | <a href="#">WG1439823</a> |
| Ethylbenzene              | U            |           | 0.000596  | 0.00281   | 1        | 03/07/2020 13:49 | <a href="#">WG1439823</a> |
| Total Xylenes             | U            |           | 0.00538   | 0.00731   | 1        | 03/07/2020 13:49 | <a href="#">WG1439823</a> |
| (S) Toluene-d8            | 106          |           |           | 75.0-131  |          | 03/07/2020 13:49 | <a href="#">WG1439823</a> |
| (S) 4-Bromofluorobenzene  | 96.8         |           |           | 67.0-138  |          | 03/07/2020 13:49 | <a href="#">WG1439823</a> |
| (S) 1,2-Dichloroethane-d4 | 114          |           |           | 70.0-130  |          | 03/07/2020 13:49 | <a href="#">WG1439823</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         |           | 1.81      | 4.50      | 1        | 03/10/2020 04:25 | <a href="#">WG1440342</a> |
| C28-C40 Oil Range    | 16.3         |           | 0.308     | 4.50      | 1        | 03/10/2020 04:25 | <a href="#">WG1440342</a> |
| (S) o-Terphenyl      | 60.2         |           |           | 18.0-148  |          | 03/10/2020 04:25 | <a href="#">WG1440342</a> |

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

Collected date/time: 03/03/20 11:10

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 77.8   |           | 1        | 03/10/2020 09:43 | <a href="#">WG1440589</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 | 130          |           | 1.02      | 12.9      | 1        | 03/11/2020 01:32 | <a href="#">WG1441019</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            |           | 0.0282    | 0.130     | 1.01     | 03/10/2020 19:36 | <a href="#">WG1441449</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 98.5         |           |           | 77.0-120  |          | 03/10/2020 19:36 | <a href="#">WG1441449</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            |           | 0.000514  | 0.00129   | 1        | 03/07/2020 14:08 | <a href="#">WG1439823</a> |
| Toluene                   | U            |           | 0.00161   | 0.00643   | 1        | 03/07/2020 14:08 | <a href="#">WG1439823</a> |
| Ethylbenzene              | U            |           | 0.000682  | 0.00321   | 1        | 03/07/2020 14:08 | <a href="#">WG1439823</a> |
| Total Xylenes             | U            |           | 0.00615   | 0.00836   | 1        | 03/07/2020 14:08 | <a href="#">WG1439823</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 03/07/2020 14:08 | <a href="#">WG1439823</a> |
| (S) 4-Bromofluorobenzene  | 93.8         |           |           | 67.0-138  |          | 03/07/2020 14:08 | <a href="#">WG1439823</a> |
| (S) 1,2-Dichloroethane-d4 | 114          |           |           | 70.0-130  |          | 03/07/2020 14:08 | <a href="#">WG1439823</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            |           | 2.07      | 5.14      | 1        | 03/10/2020 14:34 | <a href="#">WG1440342</a> |
| C28-C40 Oil Range    | 1.31         | J         | 0.352     | 5.14      | 1        | 03/10/2020 14:34 | <a href="#">WG1440342</a> |
| (S) o-Terphenyl      | 59.2         |           |           | 18.0-148  |          | 03/10/2020 14:34 | <a href="#">WG1440342</a> |

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

Collected date/time: 03/03/20 11:20

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 91.0   |           | 1        | 03/10/2020 09:43     | <a href="#">WG1440589</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 34.9         |           | 0.873     | 11.0      | 1        | 03/11/2020 02:26     | <a href="#">WG1441019</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            |           | 0.0238    | 0.110     | 1        | 03/09/2020 15:14     | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.5         |           |           | 77.0-120  |          | 03/09/2020 15:14     | <a href="#">WG1440503</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000501  | 0.00125   | 1.14     | 03/07/2020 14:28     | <a href="#">WG1439823</a> |
| Toluene                   | U            |           | 0.00157   | 0.00626   | 1.14     | 03/07/2020 14:28     | <a href="#">WG1439823</a> |
| Ethylbenzene              | U            |           | 0.000663  | 0.00313   | 1.14     | 03/07/2020 14:28     | <a href="#">WG1439823</a> |
| Total Xylenes             | U            |           | 0.00599   | 0.00814   | 1.14     | 03/07/2020 14:28     | <a href="#">WG1439823</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 03/07/2020 14:28     | <a href="#">WG1439823</a> |
| (S) 4-Bromofluorobenzene  | 89.6         |           |           | 67.0-138  |          | 03/07/2020 14:28     | <a href="#">WG1439823</a> |
| (S) 1,2-Dichloroethane-d4 | 111          |           |           | 70.0-130  |          | 03/07/2020 14:28     | <a href="#">WG1439823</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            |           | 1.77      | 4.39      | 1        | 03/10/2020 04:13     | <a href="#">WG1440342</a> |
| C28-C40 Oil Range    | 4.24         | J         | 0.301     | 4.39      | 1        | 03/10/2020 04:13     | <a href="#">WG1440342</a> |
| (S) o-Terphenyl      | 69.9         |           |           | 18.0-148  |          | 03/10/2020 04:13     | <a href="#">WG1440342</a> |

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



Collected date/time: 03/03/20 11:30

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.7   |           | 1        | 03/10/2020 16:41     | <a href="#">WG1440590</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 | 11.0               | <u>B</u>  | 0.830           | 10.4            | 1        | 03/11/2020 03:02     | <a href="#">WG1441019</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          | 0.104           | 1        | 03/09/2020 15:35     | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9               |           |                 | 77.0-120        |          | 03/09/2020 15:35     | <a href="#">WG1440503</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        | 0.00125         | 1.2      | 03/07/2020 14:47     | <a href="#">WG1439823</a> |
| Toluene                   | U                  |           | 0.00157         | 0.00627         | 1.2      | 03/07/2020 14:47     | <a href="#">WG1439823</a> |
| Ethylbenzene              | U                  |           | 0.000664        | 0.00313         | 1.2      | 03/07/2020 14:47     | <a href="#">WG1439823</a> |
| Total Xylenes             | U                  |           | 0.00600         | 0.00815         | 1.2      | 03/07/2020 14:47     | <a href="#">WG1439823</a> |
| (S) Toluene-d8            | 106                |           |                 | 75.0-131        |          | 03/07/2020 14:47     | <a href="#">WG1439823</a> |
| (S) 4-Bromofluorobenzene  | 93.3               |           |                 | 67.0-138        |          | 03/07/2020 14:47     | <a href="#">WG1439823</a> |
| (S) 1,2-Dichloroethane-d4 | 109                |           |                 | 70.0-130        |          | 03/07/2020 14:47     | <a href="#">WG1439823</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 | 19.1               | <u>J</u>  | 16.8            | 41.8            | 10       | 03/10/2020 14:46     | <a href="#">WG1440342</a> |
| C28-C40 Oil Range    | 41.4               | <u>J</u>  | 2.86            | 41.8            | 10       | 03/10/2020 14:46     | <a href="#">WG1440342</a> |
| (S) o-Terphenyl      | 76.4               |           |                 | 18.0-148        |          | 03/10/2020 14:46     | <a href="#">WG1440342</a> |

## Sample Narrative:

L1196380-04 WG1440342: Cannot run at lower dilution due to viscosity of extract

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

Collected date/time: 03/03/20 11:50

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.0   |           | 1        | 03/10/2020 16:41     | <a href="#">WG1440590</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 20.6         |           | 0.845     | 10.6      | 1        | 03/11/2020 03:20     | <a href="#">WG1441019</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            |           | 0.0231    | 0.106     | 1        | 03/09/2020 15:55     | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.6         |           |           | 77.0-120  |          | 03/09/2020 15:55     | <a href="#">WG1440503</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000425  | 0.00106   | 1        | 03/07/2020 15:06     | <a href="#">WG1439823</a> |
| Toluene                   | U            |           | 0.00133   | 0.00532   | 1        | 03/07/2020 15:06     | <a href="#">WG1439823</a> |
| Ethylbenzene              | U            |           | 0.000564  | 0.00266   | 1        | 03/07/2020 15:06     | <a href="#">WG1439823</a> |
| Total Xylenes             | U            |           | 0.00508   | 0.00691   | 1        | 03/07/2020 15:06     | <a href="#">WG1439823</a> |
| (S) Toluene-d8            | 107          |           |           | 75.0-131  |          | 03/07/2020 15:06     | <a href="#">WG1439823</a> |
| (S) 4-Bromofluorobenzene  | 91.4         |           |           | 67.0-138  |          | 03/07/2020 15:06     | <a href="#">WG1439823</a> |
| (S) 1,2-Dichloroethane-d4 | 105          |           |           | 70.0-130  |          | 03/07/2020 15:06     | <a href="#">WG1439823</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 | 67.8         |           | 1.71      | 4.25      | 1        | 03/11/2020 12:46     | <a href="#">WG1441726</a> |
| C28-C40 Oil Range    | 74.6         |           | 0.291     | 4.25      | 1        | 03/11/2020 12:46     | <a href="#">WG1441726</a> |
| (S) o-Terphenyl      | 52.3         |           |           | 18.0-148  |          | 03/11/2020 12:46     | <a href="#">WG1441726</a> |

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

Collected date/time: 03/03/20 12:00

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.9   |           | 1        | 03/10/2020 16:41     | <a href="#">WG1440590</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 | 8.57         | <a href="#">B J</a> | 0.812     | 10.2      | 1        | 03/11/2020 04:13     | <a href="#">WG1441019</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        | 03/09/2020 17:59     | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.1         |           |           | 77.0-120  |          | 03/09/2020 17:59     | <a href="#">WG1440503</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000408  | 0.00102   | 1        | 03/07/2020 15:25     | <a href="#">WG1439823</a> |
| Toluene                   | U            |           | 0.00128   | 0.00510   | 1        | 03/07/2020 15:25     | <a href="#">WG1439823</a> |
| Ethylbenzene              | U            |           | 0.000541  | 0.00255   | 1        | 03/07/2020 15:25     | <a href="#">WG1439823</a> |
| Total Xylenes             | U            |           | 0.00488   | 0.00664   | 1        | 03/07/2020 15:25     | <a href="#">WG1439823</a> |
| (S) Toluene-d8            | 108          |           |           | 75.0-131  |          | 03/07/2020 15:25     | <a href="#">WG1439823</a> |
| (S) 4-Bromofluorobenzene  | 97.5         |           |           | 67.0-138  |          | 03/07/2020 15:25     | <a href="#">WG1439823</a> |
| (S) 1,2-Dichloroethane-d4 | 106          |           |           | 70.0-130  |          | 03/07/2020 15:25     | <a href="#">WG1439823</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 | 16.0         |           | 1.64      | 4.08      | 1        | 03/11/2020 12:59     | <a href="#">WG1441726</a> |
| C28-C40 Oil Range    | 42.3         |           | 0.280     | 4.08      | 1        | 03/11/2020 12:59     | <a href="#">WG1441726</a> |
| (S) o-Terphenyl      | 44.3         |           |           | 18.0-148  |          | 03/11/2020 12:59     | <a href="#">WG1441726</a> |

Collected date/time: 03/03/20 12:10

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 91.9   |           | 1        | 03/10/2020 16:41 | <a href="#">WG1440590</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 | 51.6         |           | 0.865     | 10.9      | 1        | 03/11/2020 04:31 | <a href="#">WG1441019</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            |           | 0.0236    | 0.109     | 1        | 03/09/2020 18:19 | <a href="#">WG1440503</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 97.1         |           |           | 77.0-120  |          | 03/09/2020 18:19 | <a href="#">WG1440503</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            |           | 0.000435  | 0.00109   | 1        | 03/07/2020 23:50 | <a href="#">WG1439944</a> |
| Toluene                   | U            |           | 0.00136   | 0.00544   | 1        | 03/07/2020 23:50 | <a href="#">WG1439944</a> |
| Ethylbenzene              | U            |           | 0.000577  | 0.00272   | 1        | 03/07/2020 23:50 | <a href="#">WG1439944</a> |
| Total Xylenes             | U            |           | 0.00520   | 0.00707   | 1        | 03/07/2020 23:50 | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 102          |           |           | 75.0-131  |          | 03/07/2020 23:50 | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 102          |           |           | 67.0-138  |          | 03/07/2020 23:50 | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 88.6         |           |           | 70.0-130  |          | 03/07/2020 23:50 | <a href="#">WG1439944</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 | 5.27         |           | 1.75      | 4.35      | 1        | 03/11/2020 12:08 | <a href="#">WG1441726</a> |
| C28-C40 Oil Range    | 19.8         |           | 0.298     | 4.35      | 1        | 03/11/2020 12:08 | <a href="#">WG1441726</a> |
| (S) o-Terphenyl      | 63.6         |           |           | 18.0-148  |          | 03/11/2020 12:08 | <a href="#">WG1441726</a> |

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

Collected date/time: 03/03/20 12:20

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.1   |           | 1        | 03/10/2020 16:41     | <a href="#">WG1440590</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 | 1.45               | <a href="#">B J</a> | 0.819           | 10.3            | 1        | 03/11/2020 04:49     | <a href="#">WG1441019</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        | 03/09/2020 18:40     | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9               |           |                 | 77.0-120        |          | 03/09/2020 18:40     | <a href="#">WG1440503</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                  |           | 0.000412        | 0.00103         | 1        | 03/08/2020 00:11     | <a href="#">WG1439944</a> |
| Toluene                   | U                  |           | 0.00129         | 0.00515         | 1        | 03/08/2020 00:11     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U                  |           | 0.000546        | 0.00257         | 1        | 03/08/2020 00:11     | <a href="#">WG1439944</a> |
| Total Xylenes             | U                  |           | 0.00492         | 0.00669         | 1        | 03/08/2020 00:11     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 03/08/2020 00:11     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 104                |           |                 | 67.0-138        |          | 03/08/2020 00:11     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 88.9               |           |                 | 70.0-130        |          | 03/08/2020 00:11     | <a href="#">WG1439944</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        | 03/11/2020 11:55     | <a href="#">WG1441726</a> |
| C28-C40 Oil Range    | 5.88               |           | 0.282           | 4.12            | 1        | 03/11/2020 11:55     | <a href="#">WG1441726</a> |
| (S) o-Terphenyl      | 66.2               |           |                 | 18.0-148        |          | 03/11/2020 11:55     | <a href="#">WG1441726</a> |

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

Collected date/time: 03/03/20 13:00

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.8   |           | 1        | 03/10/2020 16:41     | <a href="#">WG1440590</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 | 9.36         | <a href="#">B J</a> | 0.839     | 10.6      | 1        | 03/11/2020 05:07     | <a href="#">WG1441019</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        | 03/09/2020 19:00     | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.7         |           |           | 77.0-120  |          | 03/09/2020 19:00     | <a href="#">WG1440503</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000422  | 0.00106   | 1        | 03/08/2020 00:31     | <a href="#">WG1439944</a> |
| Toluene                   | U            |           | 0.00132   | 0.00528   | 1        | 03/08/2020 00:31     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U            |           | 0.000559  | 0.00264   | 1        | 03/08/2020 00:31     | <a href="#">WG1439944</a> |
| Total Xylenes             | U            |           | 0.00504   | 0.00686   | 1        | 03/08/2020 00:31     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 103          |           |           | 75.0-131  |          | 03/08/2020 00:31     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 103          |           |           | 67.0-138  |          | 03/08/2020 00:31     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 87.6         |           |           | 70.0-130  |          | 03/08/2020 00:31     | <a href="#">WG1439944</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            |                     | 1.70      | 4.22      | 1        | 03/11/2020 11:43     | <a href="#">WG1441726</a> |
| C28-C40 Oil Range    | 2.57         | <a href="#">B J</a> | 0.289     | 4.22      | 1        | 03/11/2020 11:43     | <a href="#">WG1441726</a> |
| (S) o-Terphenyl      | 67.6         |                     |           | 18.0-148  |          | 03/11/2020 11:43     | <a href="#">WG1441726</a> |



Collected date/time: 03/03/20 13:10

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 94.4   |           | 1        | 03/10/2020 16:41 | <a href="#">WG1440590</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 | 131          |           | 0.842     | 10.6      | 1        | 03/11/2020 05:25 | <a href="#">WG1441019</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       | 0.0254       | J         | 0.0230    | 0.106     | 1        | 03/09/2020 19:21 | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.3         |           |           | 77.0-120  |          | 03/09/2020 19:21 | <a href="#">WG1440503</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            |           | 0.000424  | 0.00106   | 1        | 03/08/2020 00:51 | <a href="#">WG1439944</a> |
| Toluene                   | U            |           | 0.00132   | 0.00530   | 1        | 03/08/2020 00:51 | <a href="#">WG1439944</a> |
| Ethylbenzene              | 0.000906     | J         | 0.000561  | 0.00265   | 1        | 03/08/2020 00:51 | <a href="#">WG1439944</a> |
| Total Xylenes             | 0.0103       |           | 0.00506   | 0.00688   | 1        | 03/08/2020 00:51 | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 101          |           |           | 75.0-131  |          | 03/08/2020 00:51 | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 103          |           |           | 67.0-138  |          | 03/08/2020 00:51 | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 88.1         |           |           | 70.0-130  |          | 03/08/2020 00:51 | <a href="#">WG1439944</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 | 458          |           | 34.1      | 84.7      | 20       | 03/11/2020 13:11 | <a href="#">WG1441726</a> |
| C28-C40 Oil Range    | 445          |           | 5.80      | 84.7      | 20       | 03/11/2020 13:11 | <a href="#">WG1441726</a> |
| (S) o-Terphenyl      | 109          | J7        |           | 18.0-148  |          | 03/11/2020 13:11 | <a href="#">WG1441726</a> |

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

Collected date/time: 03/03/20 13:20

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.1   |           | 1        | 03/10/2020 16:41     | <a href="#">WG1440590</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 190          |           | 0.893     | 11.2      | 1        | 03/11/2020 05:43     | <a href="#">WG1441019</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       | 0.0308       | J         | 0.0244    | 0.112     | 1        | 03/09/2020 19:41     | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.8         |           |           | 77.0-120  |          | 03/09/2020 19:41     | <a href="#">WG1440503</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000449  | 0.00112   | 1        | 03/08/2020 01:11     | <a href="#">WG1439944</a> |
| Toluene                   | U            |           | 0.00140   | 0.00561   | 1        | 03/08/2020 01:11     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U            |           | 0.000595  | 0.00281   | 1        | 03/08/2020 01:11     | <a href="#">WG1439944</a> |
| Total Xylenes             | U            |           | 0.00537   | 0.00730   | 1        | 03/08/2020 01:11     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 103          |           |           | 75.0-131  |          | 03/08/2020 01:11     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 104          |           |           | 67.0-138  |          | 03/08/2020 01:11     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 88.8         |           |           | 70.0-130  |          | 03/08/2020 01:11     | <a href="#">WG1439944</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 | 43.9         |           | 1.81      | 4.49      | 1        | 03/11/2020 12:21     | <a href="#">WG1441726</a> |
| C28-C40 Oil Range    | 35.7         |           | 0.308     | 4.49      | 1        | 03/11/2020 12:21     | <a href="#">WG1441726</a> |
| (S) o-Terphenyl      | 47.1         |           |           | 18.0-148  |          | 03/11/2020 12:21     | <a href="#">WG1441726</a> |

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

Collected date/time: 03/03/20 13:30

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 91.9   |           | 1        | 03/10/2020 16:41 | <a href="#">WG1440590</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 | 125          |           | 0.865     | 10.9      | 1        | 03/11/2020 06:01 | <a href="#">WG1441019</a> |

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

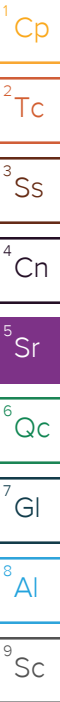
| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | 0.0257       | J         | 0.0236    | 0.109     | 1        | 03/09/2020 20:02 | <a href="#">WG1440503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9         |           |           | 77.0-120  |          | 03/09/2020 20:02 | <a href="#">WG1440503</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            |           | 0.000435  | 0.00109   | 1        | 03/08/2020 01:32 | <a href="#">WG1439944</a> |
| Toluene                   | U            |           | 0.00136   | 0.00544   | 1        | 03/08/2020 01:32 | <a href="#">WG1439944</a> |
| Ethylbenzene              | U            |           | 0.000577  | 0.00272   | 1        | 03/08/2020 01:32 | <a href="#">WG1439944</a> |
| Total Xylenes             | U            |           | 0.00520   | 0.00707   | 1        | 03/08/2020 01:32 | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 103          |           |           | 75.0-131  |          | 03/08/2020 01:32 | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 106          |           |           | 67.0-138  |          | 03/08/2020 01:32 | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 88.4         |           |           | 70.0-130  |          | 03/08/2020 01:32 | <a href="#">WG1439944</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 | 63.0         |           | 1.75      | 4.35      | 1        | 03/11/2020 12:33 | <a href="#">WG1441726</a> |
| C28-C40 Oil Range    | 48.8         |           | 0.298     | 4.35      | 1        | 03/11/2020 12:33 | <a href="#">WG1441726</a> |
| (S) o-Terphenyl      | 49.5         |           |           | 18.0-148  |          | 03/11/2020 12:33 | <a href="#">WG1441726</a> |



Collected date/time: 03/03/20 14:00

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.1   |           | 1        | 03/10/2020 16:41     | <a href="#">WG1440590</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 | 4.90               | <a href="#">B J</a> | 0.802           | 10.1            | 1        | 03/11/2020 06:19     | <a href="#">WG1441019</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                  | <a href="#">J3</a> | 0.0219          | 0.101           | 1        | 03/09/2020 21:56     | <a href="#">WG1440608</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 93.8               |                    |                 | 77.0-120        |          | 03/09/2020 21:56     | <a href="#">WG1440608</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                  |           | 0.000404        | 0.00101         | 1        | 03/08/2020 01:52     | <a href="#">WG1439944</a> |
| Toluene                   | U                  |           | 0.00126         | 0.00505         | 1        | 03/08/2020 01:52     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U                  |           | 0.000535        | 0.00252         | 1        | 03/08/2020 01:52     | <a href="#">WG1439944</a> |
| Total Xylenes             | U                  |           | 0.00482         | 0.00656         | 1        | 03/08/2020 01:52     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 03/08/2020 01:52     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 104                |           |                 | 67.0-138        |          | 03/08/2020 01:52     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 89.2               |           |                 | 70.0-130        |          | 03/08/2020 01:52     | <a href="#">WG1439944</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 | 1.79               | <a href="#">J</a> | 1.62            | 4.04            | 1        | 03/11/2020 19:35     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 10.6               |                   | 0.277           | 4.04            | 1        | 03/11/2020 19:35     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 67.9               |                   |                 | 18.0-148        |          | 03/11/2020 19:35     | <a href="#">WG1440864</a> |

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

Collected date/time: 03/03/20 14:10

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.3   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</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 | 137          |           | 0.843     | 10.6      | 1        | 03/11/2020 06:37     | <a href="#">WG1441019</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            | <a href="#">J3</a> | 0.0230    | 0.106     | 1        | 03/09/2020 22:20     | <a href="#">WG1440608</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 93.3         |                    |           | 77.0-120  |          | 03/09/2020 22:20     | <a href="#">WG1440608</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000424  | 0.00106   | 1        | 03/08/2020 03:12     | <a href="#">WG1439944</a> |
| Toluene                   | U            |           | 0.00133   | 0.00530   | 1        | 03/08/2020 03:12     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U            |           | 0.000562  | 0.00265   | 1        | 03/08/2020 03:12     | <a href="#">WG1439944</a> |
| Total Xylenes             | U            |           | 0.00507   | 0.00689   | 1        | 03/08/2020 03:12     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 102          |           |           | 75.0-131  |          | 03/08/2020 03:12     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 104          |           |           | 67.0-138  |          | 03/08/2020 03:12     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 88.5         |           |           | 70.0-130  |          | 03/08/2020 03:12     | <a href="#">WG1439944</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            |                   | 1.71      | 4.24      | 1        | 03/11/2020 16:42     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 4.13         | <a href="#">J</a> | 0.290     | 4.24      | 1        | 03/11/2020 16:42     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 53.9         |                   |           | 18.0-148  |          | 03/11/2020 16:42     | <a href="#">WG1440864</a> |

Collected date/time: 03/03/20 14:20

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.5   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</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 | 1.77               | <a href="#">B J</a> | 0.815           | 10.3            | 1        | 03/11/2020 06:55     | <a href="#">WG1441019</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                  | <a href="#">J3</a> | 0.0222          | 0.103           | 1        | 03/09/2020 22:44     | <a href="#">WG1440608</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.0               |                    |                 | 77.0-120        |          | 03/09/2020 22:44     | <a href="#">WG1440608</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                  |           | 0.000820        | 0.00205         | 2        | 03/08/2020 03:33     | <a href="#">WG1439944</a> |
| Toluene                   | U                  |           | 0.00256         | 0.0103          | 2        | 03/08/2020 03:33     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U                  |           | 0.00109         | 0.00513         | 2        | 03/08/2020 03:33     | <a href="#">WG1439944</a> |
| Total Xylenes             | U                  |           | 0.00980         | 0.0133          | 2        | 03/08/2020 03:33     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 03/08/2020 03:33     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 105                |           |                 | 67.0-138        |          | 03/08/2020 03:33     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 88.1               |           |                 | 70.0-130        |          | 03/08/2020 03:33     | <a href="#">WG1439944</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            | 4.10            | 1        | 03/11/2020 16:04     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 1.34               | <a href="#">J</a> | 0.281           | 4.10            | 1        | 03/11/2020 16:04     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 44.2               |                   |                 | 18.0-148        |          | 03/11/2020 16:04     | <a href="#">WG1440864</a> |

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

Collected date/time: 03/03/20 14:30

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 83.2   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</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 | 1.79               | <a href="#">B J</a> | 0.955           | 12.0            | 1        | 03/11/2020 07:48     | <a href="#">WG1441019</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                  | <a href="#">J3</a> | 0.0261          | 0.120           | 1        | 03/09/2020 23:08     | <a href="#">WG1440608</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.0               |                    |                 | 77.0-120        |          | 03/09/2020 23:08     | <a href="#">WG1440608</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                  |           | 0.000481        | 0.00120         | 1        | 03/08/2020 03:53     | <a href="#">WG1439944</a> |
| Toluene                   | U                  |           | 0.00150         | 0.00601         | 1        | 03/08/2020 03:53     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U                  |           | 0.000637        | 0.00300         | 1        | 03/08/2020 03:53     | <a href="#">WG1439944</a> |
| Total Xylenes             | U                  |           | 0.00574         | 0.00781         | 1        | 03/08/2020 03:53     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 03/08/2020 03:53     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 106                |           |                 | 67.0-138        |          | 03/08/2020 03:53     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 88.8               |           |                 | 70.0-130        |          | 03/08/2020 03:53     | <a href="#">WG1439944</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                  |                   | 1.93            | 4.81            | 1        | 03/11/2020 14:47     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 1.44               | <a href="#">J</a> | 0.329           | 4.81            | 1        | 03/11/2020 14:47     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 43.8               |                   |                 | 18.0-148        |          | 03/11/2020 14:47     | <a href="#">WG1440864</a> |

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



Collected date/time: 03/04/20 10:00

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.8   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</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 | 970                |           | 4.24            | 53.3            | 5        | 03/11/2020 08:06     | <a href="#">WG1441019</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       | 2.83               | <a href="#">J3</a> | 0.0231          | 0.107           | 1        | 03/09/2020 23:31     | <a href="#">WG1440608</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 93.0               |                    |                 | 77.0-120        |          | 03/09/2020 23:31     | <a href="#">WG1440608</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                   | 0.000746           | <a href="#">J</a> | 0.000427        | 0.00107         | 1        | 03/09/2020 13:34     | <a href="#">WG1440467</a> |
| Toluene                   | U                  |                   | 0.00133         | 0.00533         | 1        | 03/09/2020 13:34     | <a href="#">WG1440467</a> |
| Ethylbenzene              | U                  |                   | 0.000565        | 0.00267         | 1        | 03/09/2020 13:34     | <a href="#">WG1440467</a> |
| Total Xylenes             | U                  |                   | 0.00510         | 0.00693         | 1        | 03/09/2020 13:34     | <a href="#">WG1440467</a> |
| (S) Toluene-d8            | 106                |                   |                 | 75.0-131        |          | 03/09/2020 13:34     | <a href="#">WG1440467</a> |
| (S) 4-Bromofluorobenzene  | 102                |                   |                 | 67.0-138        |          | 03/09/2020 13:34     | <a href="#">WG1440467</a> |
| (S) 1,2-Dichloroethane-d4 | 96.5               |                   |                 | 70.0-130        |          | 03/09/2020 13:34     | <a href="#">WG1440467</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 | 489                |           | 8.58            | 21.3            | 5        | 03/11/2020 20:25     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 270                |           | 1.46            | 21.3            | 5        | 03/11/2020 20:25     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 108                |           |                 | 18.0-148        |          | 03/11/2020 20:25     | <a href="#">WG1440864</a> |

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

Collected date/time: 03/04/20 10:10

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 88.3   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 3100         |           | 9.01      | 113       | 10       | 03/11/2020 08:24     | <a href="#">WG1441019</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            | <a href="#">J3</a> | 0.0246    | 0.113     | 1        | 03/09/2020 23:55     | <a href="#">WG1440608</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.3         |                    |           | 77.0-120  |          | 03/09/2020 23:55     | <a href="#">WG1440608</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000453  | 0.00113   | 1        | 03/08/2020 04:34     | <a href="#">WG1439944</a> |
| Toluene                   | U            |           | 0.00142   | 0.00567   | 1        | 03/08/2020 04:34     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U            |           | 0.000601  | 0.00283   | 1        | 03/08/2020 04:34     | <a href="#">WG1439944</a> |
| Total Xylenes             | U            |           | 0.00542   | 0.00737   | 1        | 03/08/2020 04:34     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 103          |           |           | 75.0-131  |          | 03/08/2020 04:34     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 105          |           |           | 67.0-138  |          | 03/08/2020 04:34     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 88.9         |           |           | 70.0-130  |          | 03/08/2020 04:34     | <a href="#">WG1439944</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            |                   | 1.82      | 4.53      | 1        | 03/11/2020 16:29     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 2.42         | <a href="#">J</a> | 0.310     | 4.53      | 1        | 03/11/2020 16:29     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 62.7         |                   |           | 18.0-148  |          | 03/11/2020 16:29     | <a href="#">WG1440864</a> |

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

Collected date/time: 03/04/20 10:30

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.9   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</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 | 1140               |           | 4.29            | 53.8            | 5        | 03/11/2020 08:42     | <a href="#">WG1441019</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                  | <a href="#">J3</a> | 0.0234          | 0.108           | 1        | 03/10/2020 00:19     | <a href="#">WG1440608</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.9               |                    |                 | 77.0-120        |          | 03/10/2020 00:19     | <a href="#">WG1440608</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                  |           | 0.000431        | 0.00108         | 1        | 03/08/2020 04:54     | <a href="#">WG1439944</a> |
| Toluene                   | U                  |           | 0.00135         | 0.00538         | 1        | 03/08/2020 04:54     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U                  |           | 0.000571        | 0.00269         | 1        | 03/08/2020 04:54     | <a href="#">WG1439944</a> |
| Total Xylenes             | U                  |           | 0.00515         | 0.00700         | 1        | 03/08/2020 04:54     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 03/08/2020 04:54     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 106                |           |                 | 67.0-138        |          | 03/08/2020 04:54     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 89.4               |           |                 | 70.0-130        |          | 03/08/2020 04:54     | <a href="#">WG1439944</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 | 2.12               | <a href="#">J</a> | 1.73            | 4.31            | 1        | 03/11/2020 16:16     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 1.64               | <a href="#">J</a> | 0.295           | 4.31            | 1        | 03/11/2020 16:16     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 64.1               |                   |                 | 18.0-148        |          | 03/11/2020 16:16     | <a href="#">WG1440864</a> |

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

Collected date/time: 03/04/20 10:50

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.0   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</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 | 879          |           | 4.24      | 53.2      | 5        | 03/11/2020 09:00     | <a href="#">WG1441019</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            |           | 0.0231    | 0.106     | 1        | 03/11/2020 02:05     | <a href="#">WG1440814</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.7         |           |           | 77.0-120  |          | 03/11/2020 02:05     | <a href="#">WG1440814</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000426  | 0.00106   | 1        | 03/08/2020 05:14     | <a href="#">WG1439944</a> |
| Toluene                   | U            |           | 0.00133   | 0.00532   | 1        | 03/08/2020 05:14     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U            |           | 0.000564  | 0.00266   | 1        | 03/08/2020 05:14     | <a href="#">WG1439944</a> |
| Total Xylenes             | U            |           | 0.00509   | 0.00692   | 1        | 03/08/2020 05:14     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 102          |           |           | 75.0-131  |          | 03/08/2020 05:14     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 105          |           |           | 67.0-138  |          | 03/08/2020 05:14     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 89.8         |           |           | 70.0-130  |          | 03/08/2020 05:14     | <a href="#">WG1439944</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            |           | 1.71      | 4.26      | 1        | 03/11/2020 15:00     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 0.543        | J         | 0.292     | 4.26      | 1        | 03/11/2020 15:00     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 54.8         |           |           | 18.0-148  |          | 03/11/2020 15:00     | <a href="#">WG1440864</a> |

Collected date/time: 03/04/20 11:30

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 91.9   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</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 | 2.50               | <a href="#">B J</a> | 0.865           | 10.9            | 1        | 03/10/2020 19:16     | <a href="#">WG1440418</a> |

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

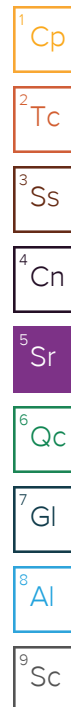
| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0236          | 0.109           | 1        | 03/11/2020 02:29     | <a href="#">WG1440814</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9               |           |                 | 77.0-120        |          | 03/11/2020 02:29     | <a href="#">WG1440814</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                  |           | 0.000435        | 0.00109         | 1        | 03/08/2020 05:34     | <a href="#">WG1439944</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00544         | 1        | 03/08/2020 05:34     | <a href="#">WG1439944</a> |
| Ethylbenzene              | U                  |           | 0.000577        | 0.00272         | 1        | 03/08/2020 05:34     | <a href="#">WG1439944</a> |
| Total Xylenes             | U                  |           | 0.00520         | 0.00707         | 1        | 03/08/2020 05:34     | <a href="#">WG1439944</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 03/08/2020 05:34     | <a href="#">WG1439944</a> |
| (S) 4-Bromofluorobenzene  | 105                |           |                 | 67.0-138        |          | 03/08/2020 05:34     | <a href="#">WG1439944</a> |
| (S) 1,2-Dichloroethane-d4 | 89.1               |           |                 | 70.0-130        |          | 03/08/2020 05:34     | <a href="#">WG1439944</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 | 2.49               | <a href="#">J</a> | 1.75            | 4.35            | 1        | 03/12/2020 16:24     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 8.59               |                   | 0.298           | 4.35            | 1        | 03/12/2020 16:24     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 54.8               |                   |                 | 18.0-148        |          | 03/12/2020 16:24     | <a href="#">WG1440864</a> |



Collected date/time: 03/04/20 11:50

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.9   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</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 | 6.75               | <a href="#">B J</a> | 0.829           | 10.4            | 1        | 03/10/2020 19:25     | <a href="#">WG1440418</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        | 03/11/2020 02:53     | <a href="#">WG1440814</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 100                |           |                 | 77.0-120        |          | 03/11/2020 02:53     | <a href="#">WG1440814</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                  |           | 0.000417        | 0.00104         | 1        | 03/09/2020 16:15     | <a href="#">WG1440544</a> |
| Toluene                   | U                  |           | 0.00130         | 0.00522         | 1        | 03/09/2020 16:15     | <a href="#">WG1440544</a> |
| Ethylbenzene              | U                  |           | 0.000553        | 0.00261         | 1        | 03/09/2020 16:15     | <a href="#">WG1440544</a> |
| Total Xylenes             | U                  |           | 0.00499         | 0.00678         | 1        | 03/09/2020 16:15     | <a href="#">WG1440544</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 03/09/2020 16:15     | <a href="#">WG1440544</a> |
| (S) 4-Bromofluorobenzene  | 102                |           |                 | 67.0-138        |          | 03/09/2020 16:15     | <a href="#">WG1440544</a> |
| (S) 1,2-Dichloroethane-d4 | 86.9               |           |                 | 70.0-130        |          | 03/09/2020 16:15     | <a href="#">WG1440544</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        | 03/11/2020 16:54     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 5.17               |           | 0.286           | 4.17            | 1        | 03/11/2020 16:54     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 69.6               |           |                 | 18.0-148        |          | 03/11/2020 16:54     | <a href="#">WG1440864</a> |

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

Collected date/time: 03/04/20 13:00

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.1   |           | 1        | 03/10/2020 15:47     | <a href="#">WG1440591</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 | 988                |           | 0.863           | 10.9            | 1        | 03/10/2020 19:35     | <a href="#">WG1440418</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                  |           | 0.0236          | 0.109           | 1        | 03/11/2020 03:17     | <a href="#">WG1440814</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9               |           |                 | 77.0-120        |          | 03/11/2020 03:17     | <a href="#">WG1440814</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                  |           | 0.000434        | 0.00109         | 1        | 03/09/2020 16:35     | <a href="#">WG1440544</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00543         | 1        | 03/09/2020 16:35     | <a href="#">WG1440544</a> |
| Ethylbenzene              | U                  |           | 0.000576        | 0.00272         | 1        | 03/09/2020 16:35     | <a href="#">WG1440544</a> |
| Total Xylenes             | U                  |           | 0.00519         | 0.00706         | 1        | 03/09/2020 16:35     | <a href="#">WG1440544</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 03/09/2020 16:35     | <a href="#">WG1440544</a> |
| (S) 4-Bromofluorobenzene  | 104                |           |                 | 67.0-138        |          | 03/09/2020 16:35     | <a href="#">WG1440544</a> |
| (S) 1,2-Dichloroethane-d4 | 88.0               |           |                 | 70.0-130        |          | 03/09/2020 16:35     | <a href="#">WG1440544</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 | 295                |           | 8.74            | 21.7            | 5        | 03/11/2020 20:13     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 214                |           | 1.49            | 21.7            | 5        | 03/11/2020 20:13     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 69.7               |           |                 | 18.0-148        |          | 03/11/2020 20:13     | <a href="#">WG1440864</a> |

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



Collected date/time: 03/04/20 13:30

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 92.0   |           | 1        | 03/10/2020 15:12 | <a href="#">WG1440592</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 | 5780         |           | 17.3      | 217       | 20       | 03/10/2020 19:44 | <a href="#">WG1440418</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            |           | 0.0236    | 0.109     | 1        | 03/11/2020 03:41 | <a href="#">WG1440814</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 97.9         |           |           | 77.0-120  |          | 03/11/2020 03:41 | <a href="#">WG1440814</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            |           | 0.000435  | 0.00109   | 1        | 03/09/2020 16:56 | <a href="#">WG1440544</a> |
| Toluene                          | U            |           | 0.00136   | 0.00543   | 1        | 03/09/2020 16:56 | <a href="#">WG1440544</a> |
| Ethylbenzene                     | U            |           | 0.000576  | 0.00272   | 1        | 03/09/2020 16:56 | <a href="#">WG1440544</a> |
| Total Xylenes                    | U            |           | 0.00519   | 0.00706   | 1        | 03/09/2020 16:56 | <a href="#">WG1440544</a> |
| (S) <i>Toluene-d8</i>            | 102          |           |           | 75.0-131  |          | 03/09/2020 16:56 | <a href="#">WG1440544</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 105          |           |           | 67.0-138  |          | 03/09/2020 16:56 | <a href="#">WG1440544</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 88.5         |           |           | 70.0-130  |          | 03/09/2020 16:56 | <a href="#">WG1440544</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            |           | 1.75      | 4.35      | 1        | 03/11/2020 15:13 | <a href="#">WG1440864</a> |
| C28-C40 Oil Range       | 0.399        | J         | 0.298     | 4.35      | 1        | 03/11/2020 15:13 | <a href="#">WG1440864</a> |
| (S) <i>o</i> -Terphenyl | 38.9         |           |           | 18.0-148  |          | 03/11/2020 15:13 | <a href="#">WG1440864</a> |

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

Collected date/time: 03/04/20 14:00

L1196380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.3   |           | 1        | 03/10/2020 15:12     | <a href="#">WG1440592</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 | 5290         |           | 8.61      | 108       | 10       | 03/11/2020 02:50     | <a href="#">WG1441166</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            |           | 0.0235    | 0.108     | 1        | 03/11/2020 04:05     | <a href="#">WG1440814</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.7         |           |           | 77.0-120  |          | 03/11/2020 04:05     | <a href="#">WG1440814</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                   | U            |           | 0.000433  | 0.00108   | 1        | 03/09/2020 17:16     | <a href="#">WG1440544</a> |
| Toluene                   | U            |           | 0.00135   | 0.00542   | 1        | 03/09/2020 17:16     | <a href="#">WG1440544</a> |
| Ethylbenzene              | U            |           | 0.000574  | 0.00271   | 1        | 03/09/2020 17:16     | <a href="#">WG1440544</a> |
| Total Xylenes             | U            |           | 0.00518   | 0.00704   | 1        | 03/09/2020 17:16     | <a href="#">WG1440544</a> |
| (S) Toluene-d8            | 101          |           |           | 75.0-131  |          | 03/09/2020 17:16     | <a href="#">WG1440544</a> |
| (S) 4-Bromofluorobenzene  | 104          |           |           | 67.0-138  |          | 03/09/2020 17:16     | <a href="#">WG1440544</a> |
| (S) 1,2-Dichloroethane-d4 | 87.7         |           |           | 70.0-130  |          | 03/09/2020 17:16     | <a href="#">WG1440544</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 | 11.6         |           | 1.74      | 4.33      | 1        | 03/11/2020 17:07     | <a href="#">WG1440864</a> |
| C28-C40 Oil Range    | 10.1         |           | 0.297     | 4.33      | 1        | 03/11/2020 17:07     | <a href="#">WG1440864</a> |
| (S) o-Terphenyl      | 46.0         |           |           | 18.0-148  |          | 03/11/2020 17:07     | <a href="#">WG1440864</a> |

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

Total Solids by Method 2540 G-2011 L1196380-01,02,03

Method Blank (MB)

(MB) R3507462-1 03/10/20 09:43

| Analyte      | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
|              | %         |              | %      | %      |
| Total Solids | 0.000     |              |        |        |

L1196380-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1196380-02 03/10/20 09:43 • (DUP) R3507462-3 03/10/20 09:43

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 77.8            | 78.6       | 1        | 1.13    |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3507462-2 03/10/20 09:43

| 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

Total Solids by Method 2540 G-2011 L1196380-04,05,06,07,08,09,10,11,12,13

Method Blank (MB)

(MB) R3507375-1 03/10/20 16:41

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

L1196380-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1196380-13 03/10/20 16:41 • (DUP) R3507375-3 03/10/20 16:41

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 99.1            | 98.8       | 1        | 0.336   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3507375-2 03/10/20 16:41

|              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Analyte      | %            | %          | %        | %           |               |
| 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 L1196380-14,15,16,17,18,19,20,21,22,23

Method Blank (MB)

(MB) R3507369-1 03/10/20 15:47

| Analyte      | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
|              | %         |              | %      | %      |
| Total Solids | 0.000     |              |        |        |

L1196380-21 Original Sample (OS) • Duplicate (DUP)

(OS) L1196380-21 03/10/20 15:47 • (DUP) R3507369-3 03/10/20 15:47

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 91.9            | 91.8       | 1        | 0.115   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3507369-2 03/10/20 15:47

| 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

Total Solids by Method 2540 G-2011

L1196380-24,25

Method Blank (MB)

(MB) R3507368-1 03/10/20 15:12

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

L1196380-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1196380-24 03/10/20 15:12 • (DUP) R3507368-3 03/10/20 15:12

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 92.0            | 91.6       | 1        | 0.471   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3507368-2 03/10/20 15:12

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
|              | %            | %          | %        | %           |               |
| 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

Wet Chemistry by Method 300.0

[L1196380-21,22,23,24](#)

## Method Blank (MB)

(MB) R3507340-1 03/10/20 14:16

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/kg     |              | mg/kg  | mg/kg  |
| Chloride | 2.36      | ⌵            | 0.795  | 10.0   |

## L1196066-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1196066-01 03/10/20 15:37 • (DUP) R3507340-3 03/10/20 15:46

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg           | mg/kg      |          | %       |               | %              |
| Chloride | 13400           | 14700      | 20       | 9.19    |               | 20             |

## L1196380-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1196380-24 03/10/20 19:44 • (DUP) R3507340-6 03/10/20 19:54

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 5780                  | 5660             | 20       | 2.08    |               | 20             |

## Laboratory Control Sample (LCS)

(LCS) R3507340-2 03/10/20 14:25

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 190        | 95.0     | 90.0-110    |               |

## L1196066-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196066-04 03/10/20 16:15 • (MS) R3507340-4 03/10/20 16:24 • (MSD) R3507340-5 03/10/20 16:34

|          | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------|--------------|-----------------|-----------|------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte  | mg/kg        | mg/kg           | mg/kg     | mg/kg      | %       | %        |          | %           |              |               | %    | %          |
| Chloride | 500          | 34.7            | 552       | 567        | 104     | 106      | 1        | 80.0-120    |              |               | 2.61 | 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

L1196380-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R3507449-1 03/11/20 00:08

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/kg     |              | mg/kg  | mg/kg  |
| Chloride | 1.21      | ⬇            | 0.795  | 10.0   |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1196380-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1196380-03 03/11/20 02:26 • (DUP) R3507449-5 03/11/20 02:44

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 34.9                  | 32.8             | 1        | 6.22    |               | 20             |

L1196380-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1196380-20 03/11/20 09:00 • (DUP) R3507449-6 03/11/20 09:18

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 879                   | 884              | 5        | 0.584   |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R3507449-2 03/11/20 00:26

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 211        | 106      | 90.0-110    |               |

L1196380-02 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196380-02 03/11/20 01:32 • (MS) R3507449-3 03/11/20 01:50 • (MSD) R3507449-4 03/11/20 02:08

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD    | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|--------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |              |               | %      | %          |
| Chloride | 643                | 130                   | 784             | 784              | 102     | 102      | 1        | 80.0-120    |              |               | 0.0482 | 20         |

Wet Chemistry by Method 300.0 L1196380-25

Method Blank (MB)

|                                |           |              |        |        |
|--------------------------------|-----------|--------------|--------|--------|
| (MB) R3507518-1 03/10/20 22:46 |           |              |        |        |
|                                | MB Result | MB Qualifier | MB MDL | MB RDL |
| Analyte                        | mg/kg     |              | mg/kg  | mg/kg  |
| Chloride                       | 1.46      | J            | 0.795  | 10.0   |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

L1196337-05 Original Sample (OS) • Duplicate (DUP)

|                                                                   |                       |                  |          |         |               |                |
|-------------------------------------------------------------------|-----------------------|------------------|----------|---------|---------------|----------------|
| (OS) L1196337-05 03/10/20 23:45 • (DUP) R3507518-3 03/11/20 00:00 |                       |                  |          |         |               |                |
|                                                                   | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
| Analyte                                                           | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride                                                          | 1.92                  | 10.7             | 1        | 139     | J P1          | 20             |

L1197088-01 Original Sample (OS) • Duplicate (DUP)

|                                                                   |                 |            |          |         |               |                |
|-------------------------------------------------------------------|-----------------|------------|----------|---------|---------------|----------------|
| (OS) L1197088-01 03/11/20 14:36 • (DUP) R3507662-4 03/11/20 16:45 |                 |            |          |         |               |                |
|                                                                   | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
| Analyte                                                           | mg/kg           | mg/kg      |          | %       |               | %              |
| Chloride                                                          | ND              | 6.83       | 1        | 0.000   |               | 20             |

Laboratory Control Sample (LCS)

|                                 |              |            |          |             |               |
|---------------------------------|--------------|------------|----------|-------------|---------------|
| (LCS) R3507518-2 03/10/20 23:01 |              |            |          |             |               |
|                                 | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
| Analyte                         | mg/kg        | mg/kg      | %        | %           |               |
| Chloride                        | 200          | 208        | 104      | 90.0-110    |               |

L1196337-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

|                                                                                                    |                    |                       |                 |                  |         |          |          |             |                     |                      |        |            |
|----------------------------------------------------------------------------------------------------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|---------------------|----------------------|--------|------------|
| (OS) L1196337-11 03/11/20 01:33 • (MS) R3507518-4 03/11/20 02:19 • (MSD) R3507518-5 03/11/20 02:34 |                    |                       |                 |                  |         |          |          |             |                     |                      |        |            |
|                                                                                                    | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD    | RPD Limits |
| Analyte                                                                                            | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |                     |                      | %      | %          |
| Chloride                                                                                           | 631                | 1.51                  | 643             | 643              | 102     | 102      | 1        | 80.0-120    |                     |                      | 0.0254 | 20         |

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

L1196380-01,03,04,05,06,07,08,09,10,11,12

Method Blank (MB)

(MB) R3507212-2 03/09/20 12:26

| 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) | 98.2               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3507212-1 03/09/20 11:19

| 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                  | 5.69                | 103           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 106           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO L1196380-13,14,15,16,17,18,19

Method Blank (MB)

(MB) R3506876-2 03/09/20 14:15

| 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) | 96.9               |              |                 | 77.0-120        |

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

(LCS) R3506876-1 03/09/20 11:55 • (LCSD) R3506876-3 03/09/20 20:21

| 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                  | 6.21                | 4.69                 | 113           | 85.3           | 72.0-127         |               | J3             | 27.9     | 20              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     |                      | 104           | 103            | 77.0-120         |               |                |          |                 |

L1196456-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196456-04 03/09/20 21:32 • (MS) R3506876-4 03/10/20 00:43 • (MSD) R3506876-5 03/10/20 08:33

| 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          | 132                   | ND                       | 120                | 148                 | 90.9         | 112           | 25       | 10.0-151         |              |               | 20.9     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                          |                    |                     | 103          | 109           |          | 77.0-120         |              |               |          |                 |

Cp

Tc

Ss

Cn

Sr

Qc

Gl

Al

Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO L1196380-20,21,22,23,24,25

Method Blank (MB)

(MB) R3508424-2 03/11/20 01:41

| 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) R3508424-1 03/10/20 23:35

| 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) |                       |                     | 104           | 77.0-120         |               |

L1196478-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196478-01 03/11/20 04:29 • (MS) R3508424-3 03/11/20 10:09 • (MSD) R3508424-4 03/11/20 10:33

| 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          | 99.9                           | ND                                | 86.7                     | 82.7                         | 86.8         | 82.8          | 25       | 10.0-151         |              |               | 4.70     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                                |                                   |                          |                              | 106          | 106           |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO L1196380-02

Method Blank (MB)

(MB) R3507711-2 03/10/20 11:18

| 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) | 99.2               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3507711-1 03/10/20 10:07

| 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                  | 5.56                | 101           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 100           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1196380-01,02,03,04,05,06

Method Blank (MB)

(MB) R3507285-3 03/07/20 11:24

| 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            | 107                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 90.8               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 108                |              |                 | 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) R3507285-1 03/07/20 10:08 • (LCSD) R3507285-2 03/07/20 10:27

| 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>% |
|---------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                   | 0.125                 | 0.113               | 0.109                | 90.4          | 87.2           | 70.0-123         |               |                | 3.60     | 20              |
| Ethylbenzene              | 0.125                 | 0.106               | 0.104                | 84.8          | 83.2           | 74.0-126         |               |                | 1.90     | 20              |
| Toluene                   | 0.125                 | 0.101               | 0.105                | 80.8          | 84.0           | 75.0-121         |               |                | 3.88     | 20              |
| Xylenes, Total            | 0.375                 | 0.295               | 0.306                | 78.7          | 81.6           | 72.0-127         |               |                | 3.66     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 98.0          | 104            | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 95.4          | 96.8           | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 115           | 114            | 70.0-130         |               |                |          |                 |

L1196313-36 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196313-36 03/07/20 16:23 • (MS) R3507285-4 03/07/20 16:42 • (MSD) R3507285-5 03/07/20 17:01

| 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                   | 50.0                  | 174                      | 162                | 175                 | 0.000        | 2.00          | 400      | 10.0-149         | J6           | J6            | 7.72     | 37              |
| Ethylbenzene              | 50.0                  | 287                      | 247                | 277                 | 0.000        | 0.000         | 400      | 10.0-160         | V            | V             | 11.5     | 38              |
| Toluene                   | 50.0                  | 876                      | 662                | 721                 | 0.000        | 0.000         | 400      | 10.0-156         | V            | V             | 8.53     | 38              |
| Xylenes, Total            | 150                   | 1620                     | 1340               | 1440                | 0.000        | 0.000         | 400      | 10.0-160         | V            | V             | 7.19     | 38              |
| (S) Toluene-d8            |                       |                          |                    |                     | 105          | 106           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                          |                    |                     | 107          | 120           |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                          |                    |                     | 119          | 114           |          | 70.0-130         |              |               |          |                 |



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

L1196380-07,08,09,10,11,12,13,14,15,16,18,19,20,21

Method Blank (MB)

(MB) R3506611-3 03/07/20 21:08

| 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  | 103                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 89.5               |              |                 | 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) R3506611-1 03/07/20 19:47 • (LCSD) R3506611-2 03/07/20 20:07

| 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                 | 0.122               | 0.121                | 97.6          | 96.8           | 70.0-123         |               |                | 0.823    | 20              |
| Ethylbenzene              | 0.125                 | 0.105               | 0.105                | 84.0          | 84.0           | 74.0-126         |               |                | 0.000    | 20              |
| Toluene                   | 0.125                 | 0.109               | 0.109                | 87.2          | 87.2           | 75.0-121         |               |                | 0.000    | 20              |
| Xylenes, Total            | 0.375                 | 0.306               | 0.308                | 81.6          | 82.1           | 72.0-127         |               |                | 0.651    | 20              |
| (S) Toluene-d8            |                       |                     |                      | 101           | 99.8           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 105           | 105            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 93.2          | 91.0           | 70.0-130         |               |                |          |                 |

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

L1196380-17

Method Blank (MB)

(MB) R3507671-3 03/09/20 10:48

| 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            | 105                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 101                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 98.3               |              |                 | 70.0-130        |

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

(LCS) R3507671-1 03/09/20 09:32 • (LCSD) R3507671-2 03/09/20 09:51

| 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                 | 0.103               | 0.102                | 82.4          | 81.6           | 70.0-123         |               |                | 0.976    | 20              |
| Ethylbenzene              | 0.125                 | 0.107               | 0.105                | 85.6          | 84.0           | 74.0-126         |               |                | 1.89     | 20              |
| Toluene                   | 0.125                 | 0.0999              | 0.0972               | 79.9          | 77.8           | 75.0-121         |               |                | 2.74     | 20              |
| Xylenes, Total            | 0.375                 | 0.347               | 0.342                | 92.5          | 91.2           | 72.0-127         |               |                | 1.45     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 100           | 97.2           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 103           | 104            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 104           | 106            | 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

L1196380-22,23,24,25

Method Blank (MB)

(MB) R3508061-3 03/09/20 12:12

| 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            | 101                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 103                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 88.4               |              |                 | 70.0-130        |

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

(LCS) R3508061-1 03/09/20 10:51 • (LCSD) R3508061-2 03/09/20 11:11

| 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                 | 0.127               | 0.131                | 102           | 105            | 70.0-123         |               |                | 3.10     | 20              |
| Ethylbenzene              | 0.125                 | 0.112               | 0.113                | 89.6          | 90.4           | 74.0-126         |               |                | 0.889    | 20              |
| Toluene                   | 0.125                 | 0.116               | 0.118                | 92.8          | 94.4           | 75.0-121         |               |                | 1.71     | 20              |
| Xylenes, Total            | 0.375                 | 0.332               | 0.329                | 88.5          | 87.7           | 72.0-127         |               |                | 0.908    | 20              |
| (S) Toluene-d8            |                       |                     |                      | 102           | 101            | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 104           | 104            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 90.9          | 91.1           | 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 L1196380-01,02,03,04

Method Blank (MB)

(MB) R3507001-1 03/10/20 01:41

| 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      | 69.5               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3507001-2 03/10/20 01:54

| 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                  | 38.0                | 76.0          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 73.1          | 18.0-148         |               |

L1196316-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196316-01 03/10/20 02:57 • (MS) R3507001-3 03/10/20 03:10 • (MSD) R3507001-4 03/10/20 03:22

| 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 | 57.9                           | U                                 | 34.9                     | 37.1                         | 60.3         | 63.6          | 1        | 50.0-150         |              |               | 5.96     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 59.0         | 61.3          |          | 18.0-148         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

L1196380-13,14,15,16,17,18,19,20,21,22,23,24,25

Method Blank (MB)

(MB) R3507564-1 03/11/20 11:18

| 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      | 64.4               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3507564-2 03/11/20 11:30

| 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                  | 36.1                | 72.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 78.2          | 18.0-148         |               |

L1196380-13 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1196380-13 03/11/20 19:35 • (MS) R3507564-3 03/11/20 19:47 • (MSD) R3507564-4 03/11/20 20:00

| 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 | 50.5                           | 1.79                              | 35.9                     | 35.6                         | 67.7         | 67.1          | 1        | 50.0-150         |              |               | 0.846    | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 60.1         | 65.0          |          | 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

L1196380-05,06,07,08,09,10,11,12

Method Blank (MB)

(MB) R3507565-1 03/11/20 10:52

| 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    | 0.551              | J            | 0.274           | 4.00            |
| (S) o-Terphenyl      | 59.0               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3507565-2 03/11/20 11:05

| 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                  | 35.6                | 71.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 77.9          | 18.0-148         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

## Guide to Reading and Understanding Your Laboratory Report

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

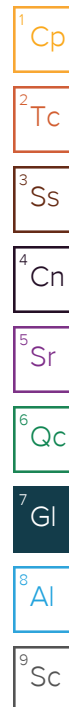
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

## Abbreviations and Definitions

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

## Qualifier Description

|    |                                                                                                       |
|----|-------------------------------------------------------------------------------------------------------|
| B  | The same analyte is found in the associated blank.                                                    |
| J  | The identification of the analyte is acceptable; the reported value is an estimate.                   |
| J3 | The associated batch QC was outside the established quality control range for precision.              |
| J6 | The sample matrix interfered with the ability to make any accurate determination; spike value is low. |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution.                       |
| 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.                           |





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             |

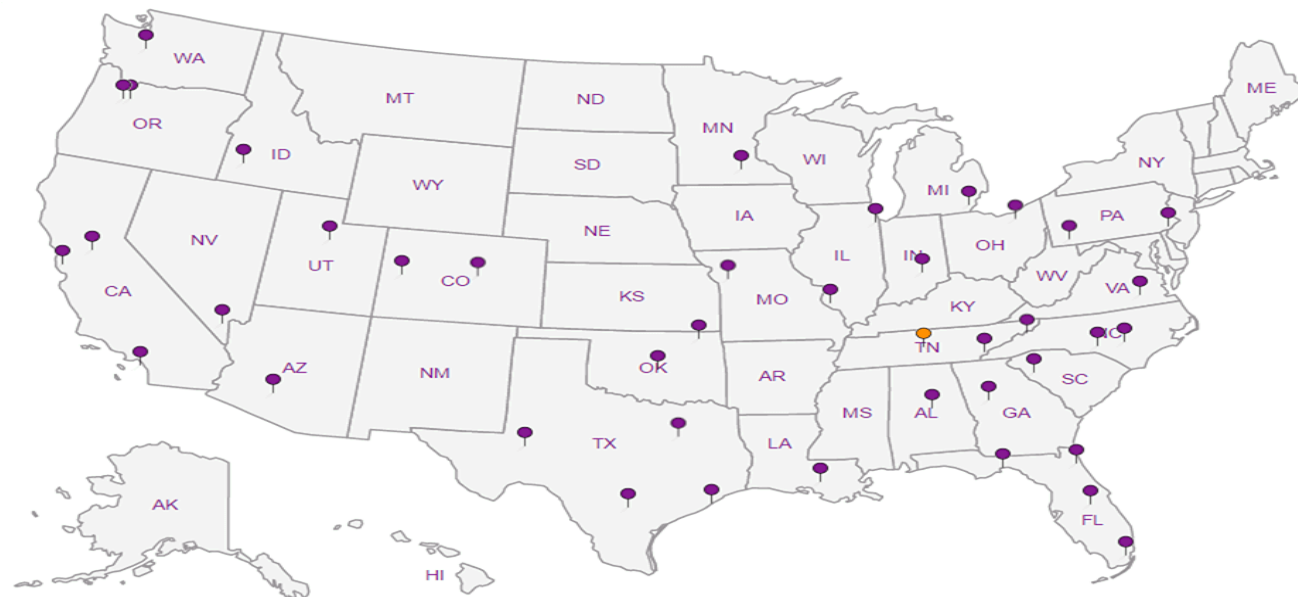
## Third Party Federal Accreditations

|                               |         |                     |               |
|-------------------------------|---------|---------------------|---------------|
| 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.





## Tetra Tech, Inc.

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

|                                      |                                                                          |                    |                                                               |
|--------------------------------------|--------------------------------------------------------------------------|--------------------|---------------------------------------------------------------|
| Client Name:                         | Conoco Phillips                                                          | Site Manager:      | Christian Llull                                               |
| Project Name:                        | COP 2-C Header Release                                                   | Contact Info:      | Email: christian.llull@tetratech.com<br>Phone: (512) 338-1667 |
| Project Location:<br>(county, state) | Lea County, New Mexico                                                   | Project #:         | 212C-MD-02119                                                 |
| Invoice to:                          | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 |                    |                                                               |
| Receiving Laboratory:                | Pace Analytical                                                          | Sampler Signature: | Adrian                                                        |
| Comments:                            | COPTETRA Acctnum J044                                                    |                    |                                                               |

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 | 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                     | T-1 (1'-2')           | 03/03/20   | 1100 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -02                     | T-1 (3'-4')           | 03/03/20   | 1110 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -03                     | T-1 (5'-6')           | 03/03/20   | 1120 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -04                     | AH-1S (0'-1')         | 03/03/20   | 1130 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -05                     | AH-1S (3'-4')         | 03/03/20   | 1150 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -06                     | AH-1E (0'-1')         | 03/03/20   | 1200 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -07                     | AH-1E (3'-4')         | 03/03/20   | 1210 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -08                     | AH-1W (0'-1')         | 03/03/20   | 1220 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -09                     | AH-1W (3'-4')         | 03/03/20   | 1300 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |
| -10                     | T-2 (1'-2')           | 03/03/20   | 1310 |        | X    |                     |                  | X   |      | 1            | N | X              | X |            |      |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |  |  |

|                    |        |       |                    |        |       |
|--------------------|--------|-------|--------------------|--------|-------|
| Relinquished by:   | Date:  | Time: | Received by:       | Date:  | Time: |
| <i>[Signature]</i> | 3-5-20 | 14:30 | <i>[Signature]</i> | 3-5-20 | 14:30 |
| Relinquished by:   | Date:  | Time: | Received by:       | Date:  | Time: |
| <i>[Signature]</i> | 3-5-20 | 17:30 | <i>[Signature]</i> | 3-5-20 | 17:30 |
| Relinquished by:   | Date:  | Time: | Received by:       | Date:  | Time: |
| <i>[Signature]</i> |        |       | <i>[Signature]</i> | 3/6/20 | 800   |

|                                               |                                                               |
|-----------------------------------------------|---------------------------------------------------------------|
| LAB USE ONLY                                  | REMARKS:                                                      |
|                                               | <input checked="" type="checkbox"/> Standard                  |
|                                               | <input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.  |
|                                               | <input type="checkbox"/> Rush Charges Authorized              |
|                                               | <input type="checkbox"/> Special Report Limits or TRRP Report |
| Sample Temperature                            |                                                               |
| (Circle) HAND DELIVERED FEDEX UPS Tracking #: |                                                               |





**Tetra Tech, Inc.**

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

|                                             |                                                                          |                           |                                                                |
|---------------------------------------------|--------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------|
| <b>Client Name:</b>                         | Conoco Phillips                                                          | <b>Site Manager:</b>      | Christian Llull                                                |
| <b>Project Name:</b>                        | COP 2-C Header Release                                                   | <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-02119                                                  |
| <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> | Adrian                                                         |
| <b>Comments:</b>                            | COPTETRA Acctnum                                                         |                           |                                                                |

**ANALYSIS REQUEST**  
(Circle or Specify Method No.)

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| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING   |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) |
|-------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|
|                         |                       | YEAR: 2020 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                |
|                         |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |
| 11                      | T-2 (3'-4')           | 03/03/20   | 1320 | X      |      |                     |                  | X   |      | 1            | N              |
| 12                      | T-2 (5'-6')           | 03/03/20   | 1330 | X      |      |                     |                  | X   |      | 1            | N              |
| 13                      | AH-2W (0'-1')         | 03/03/20   | 1400 | X      |      |                     |                  | X   |      | 1            | N              |
| 14                      | AH-2W (3'-4')         | 03/03/20   | 1410 | X      |      |                     |                  | X   |      | 1            | N              |
| 15                      | AH-2E (0'-1')         | 03/03/20   | 1420 | X      |      |                     |                  | X   |      | 1            | N              |
| 16                      | AH-2E (3'-4')         | 03/03/20   | 1430 | X      |      |                     |                  | X   |      | 1            | N              |
| 17                      | T-3 (1'-2')           | 03/04/20   | 1000 | X      |      |                     |                  | X   |      | 1            | N              |
| 18                      | T-3 (3'-4')           | 03/04/20   | 1010 | X      |      |                     |                  | X   |      | 1            | N              |
| 19                      | T-3 (6'-7')           | 03/04/20   | 1030 | X      |      |                     |                  | X   |      | 1            | N              |
| 20                      | T-3 (10'-11')         | 03/04/20   | 1050 | X      |      |                     |                  | X   |      | 1            | N              |

|                                   |              |             |                               |              |             |
|-----------------------------------|--------------|-------------|-------------------------------|--------------|-------------|
| Relinquished by: <i>Lea</i>       | Date: 3-5-20 | Time: 14:30 | Received by: <i>Adrian</i>    | Date: 3-5-20 | Time: 14:30 |
| Relinquished by: <i>Adrian</i>    | Date: 3-5-20 | Time: 17:30 | Received by: <i>SWA</i>       | Date: 3-5-20 | Time: 17:30 |
| Relinquished by: <i>W. Taylor</i> | Date: 3/6/20 | Time: 800   | Received by: <i>W. Taylor</i> | Date: 3/6/20 | Time: 800   |

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| <b>LAB USE ONLY</b> | <b>REMARKS:</b>                                               |
|                     | <input checked="" type="checkbox"/> Standard                  |
|                     | <input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.  |
|                     | <input type="checkbox"/> Rush Charges Authorized              |
|                     | <input type="checkbox"/> Special Report Limits or TRRP Report |

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #: \_\_\_\_\_

Released to Imaging: 1/26/2022 11:58:50 AM

$$.9 + .2 = 1.1 \text{ W}$$

RAD SCREEN: &lt;0.5 mR/hr



| Pace Analytical National Center for Testing & Innovation<br>Cooler Receipt Form |    |              |     |
|---------------------------------------------------------------------------------|----|--------------|-----|
| Client:                                                                         |    | L1196380     |     |
| Cooler Received/Opened On: 3 / 6 / 20                                           |    | Temperature: | 11/ |
| Received By: Willie Taylor                                                      |    |              |     |
| Signature: <i>Willie Taylor</i>                                                 |    |              |     |
|                                                                                 |    |              |     |
| Receipt Check List                                                              | NP | Yes          | No  |
| COC Seal Present / Intact?                                                      | ✓  |              |     |
| COC Signed / Accurate?                                                          |    | ✓            |     |
| Bottles arrive intact?                                                          |    | ✓            |     |
| Correct bottles used?                                                           |    | ✓            |     |
| Sufficient volume sent?                                                         |    | ✓            |     |
| If Applicable                                                                   |    |              |     |
| VOA Zero headspace?                                                             |    |              |     |
| Preservation Correct / Checked?                                                 |    |              |     |



## ANALYTICAL REPORT

March 24, 2020

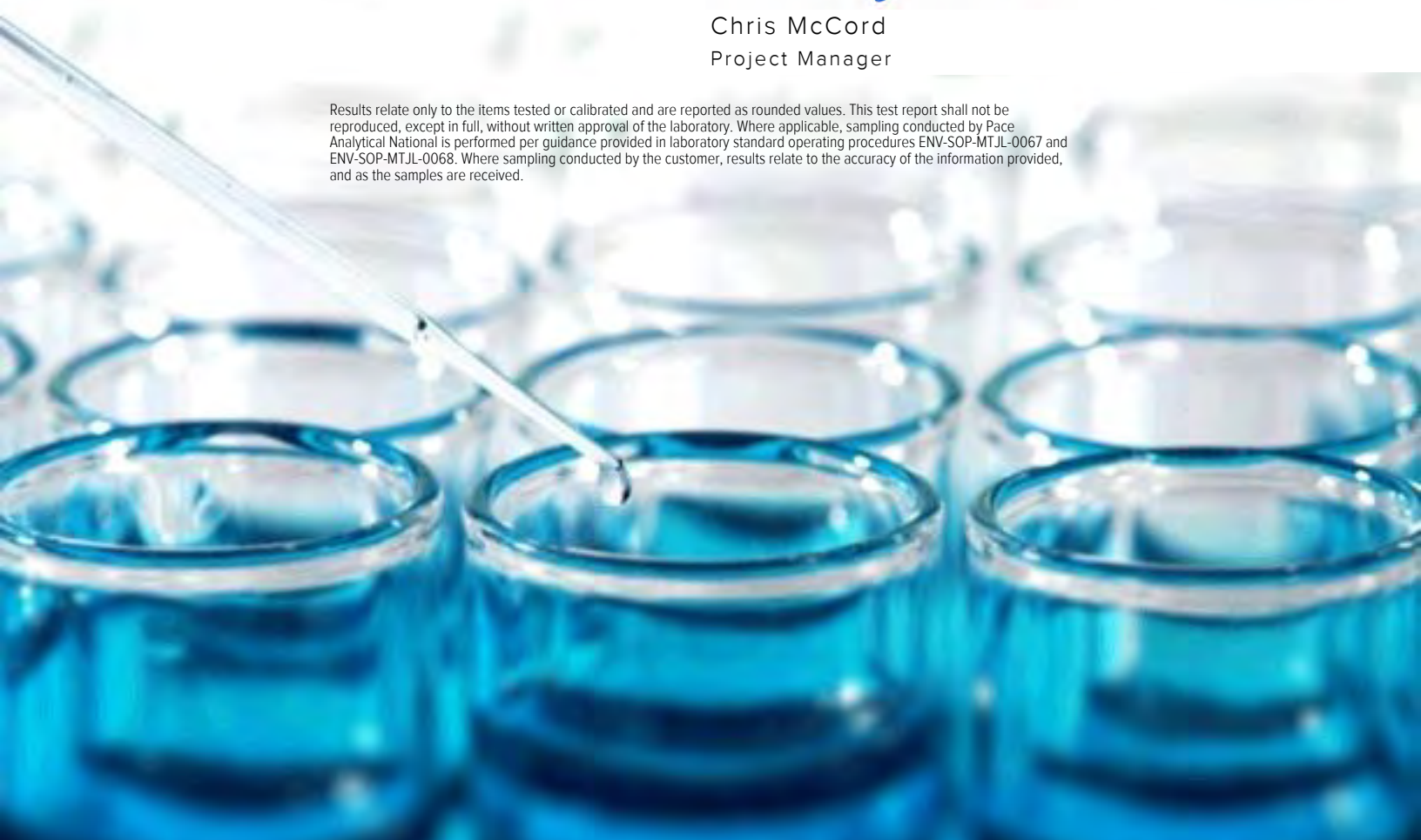
**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1199114  
Samples Received: 03/13/2020  
Project Number: 212C-MD-02119  
Description: COP MCA 2-C Header Release  
Site: LEA COUNTY, NEW MEXICO  
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.

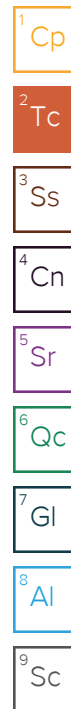


|                          |    |
|--------------------------|----|
| Cp: Cover Page           | 1  |
| Tc: Table of Contents    | 2  |
| Ss: Sample Summary       | 4  |
| Cn: Case Narrative       | 16 |
| Sr: Sample Results       | 17 |
| AH-4E (0-1') L1199114-01 | 17 |
| AH-4E (3-4') L1199114-02 | 18 |
| AH-4W (0-1') L1199114-03 | 19 |
| AH-4W (3-4') L1199114-04 | 20 |
| T-5 (1-2') L1199114-05   | 21 |
| T-5 (3-4') L1199114-06   | 22 |
| T-5 (5-6') L1199114-07   | 23 |
| T-5 (7-8') L1199114-08   | 24 |
| AH-5S (0-1') L1199114-09 | 25 |
| AH-5S (3-4') L1199114-10 | 26 |
| AH-5E (0-1') L1199114-11 | 27 |
| AH-5E (3-4') L1199114-12 | 28 |
| AH-5W (0-1') L1199114-13 | 29 |
| AH-5W (3-4') L1199114-14 | 30 |
| T-6 (1-2') L1199114-15   | 31 |
| T-6 (9-10') L1199114-16  | 32 |
| AH-6E (0-1') L1199114-17 | 33 |
| AH-6E (3-4') L1199114-18 | 34 |
| AH-6W (0-1') L1199114-19 | 35 |
| AH-6W (3-4') L1199114-20 | 36 |
| AH-7W (0-1') L1199114-21 | 37 |
| AH-7W (3-4') L1199114-22 | 38 |
| T-7 (1-2') L1199114-23   | 39 |
| T-7 (17.5') L1199114-24  | 40 |
| AH-7E (0-1') L1199114-25 | 41 |
| AH-7E (3-4') L1199114-26 | 42 |
| AH-8N (0-1') L1199114-27 | 43 |
| AH-8N (3-4') L1199114-28 | 44 |
| T-8 (1-2') L1199114-29   | 45 |
| T-8 (3-4') L1199114-30   | 46 |
| T-8 (7-8') L1199114-31   | 47 |
| T-8 (9-10') L1199114-32  | 48 |
| AH-8E (0-1') L1199114-33 | 49 |
| AH-8E (3-4') L1199114-34 | 50 |
| AH-8W (0-1') L1199114-35 | 51 |





|                                                     |            |
|-----------------------------------------------------|------------|
| AH-8W (3-4') L1199114-36                            | 52         |
| AH-9E (0-1) L1199114-37                             | 53         |
| AH-9E (3-4') L1199114-38                            | 54         |
| T-9 (1-2') L1199114-39                              | 55         |
| T-9 (3-4') L1199114-40                              | 56         |
| T-9 (7-8') L1199114-41                              | 57         |
| T-9 (9-10') L1199114-42                             | 58         |
| AH-9W (0-1') L1199114-43                            | 59         |
| AH-9W (3-4') L1199114-44                            | 60         |
| AH-10E (0-1') L1199114-45                           | 61         |
| AH-10E (3-4') L1199114-46                           | 62         |
| AH-10W (0-1') L1199114-47                           | 63         |
| AH-10W (3-4') L1199114-48                           | 64         |
| T-10 (1-2') L1199114-49                             | 65         |
| T-10 (14-15') L1199114-50                           | 66         |
| T-9 (16'-17') L1199114-51                           | 67         |
| AH-11W (0-1') L1199114-52                           | 68         |
| AH-11W (3-4') L1199114-53                           | 69         |
| AH-11E (0-1') L1199114-54                           | 70         |
| AH-11E (3-4') L1199114-55                           | 71         |
| T-11 (1-2') L1199114-56                             | 72         |
| T-11 (14-15') L1199114-57                           | 73         |
| <b>Qc: Quality Control Summary</b>                  | <b>74</b>  |
| Total Solids by Method 2540 G-2011                  | 74         |
| Wet Chemistry by Method 300.0                       | 80         |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 84         |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 92         |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 96         |
| <b>Gl: Glossary of Terms</b>                        | <b>100</b> |
| <b>Al: Accreditations &amp; Locations</b>           | <b>101</b> |
| <b>Sc: Sample Chain of Custody</b>                  | <b>102</b> |



## AH-4E (0-1') L1199114-01 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 11:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445642 | 1        | 03/19/20 01:41           | 03/19/20 01:48         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444779 | 1        | 03/18/20 02:57           | 03/18/20 20:10         | ST                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 00:27         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 00:32         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/18/20 21:53         | FM                                    | Mt. Juliet, TN                       |

## AH-4E (3-4') L1199114-02 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 11:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445642 | 1        | 03/19/20 01:41           | 03/19/20 01:48         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444779 | 1        | 03/18/20 02:57           | 03/18/20 20:20         | ST                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445448 | 1        | 03/16/20 08:41           | 03/17/20 13:18         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 00:52         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/18/20 22:05         | FM                                    | Mt. Juliet, TN                       |

## AH-4W (0-1') L1199114-03 Solid

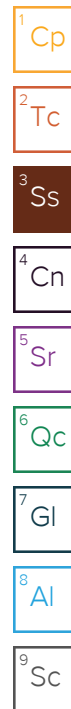
|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 11:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445642 | 1        | 03/19/20 01:41           | 03/19/20 01:48         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444779 | 1        | 03/18/20 02:57           | 03/18/20 20:29         | ST                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 01:09         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 01:12         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/18/20 21:40         | FM                                    | Mt. Juliet, TN                       |

## AH-4W (3-4') L1199114-04 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/03/20 11:30 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445642 | 1        | 03/19/20 01:41           | 03/19/20 01:48         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444779 | 1        | 03/18/20 02:57           | 03/18/20 20:39         | ST                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445448 | 1        | 03/16/20 08:41           | 03/17/20 13:39         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 01:32         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/17/20 22:04         | KME                                   | Mt. Juliet, TN                       |

## T-5 (1-2') L1199114-05 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 11:50 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445642 | 1        | 03/19/20 01:41           | 03/19/20 01:48         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444779 | 1        | 03/18/20 02:57           | 03/18/20 20:48         | ST                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 01:50         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 01:52         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/17/20 21:00         | KME                                   | Mt. Juliet, TN                       |



## T-5 (3-4') L1199114-06 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 12:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445642 | 1        | 03/19/20 01:41           | 03/19/20 01:48         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 10:55         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 02:10         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1.04     | 03/16/20 08:41           | 03/17/20 02:13         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/17/20 21:13         | KME                                   | Mt. Juliet, TN                       |

## T-5 (5-6') L1199114-07 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 12:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445642 | 1        | 03/19/20 01:41           | 03/19/20 01:48         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 5        | 03/18/20 08:48           | 03/18/20 11:14         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445448 | 1        | 03/16/20 08:41           | 03/17/20 13:59         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 02:33         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/17/20 20:35         | KME                                   | Mt. Juliet, TN                       |

## T-5 (7-8') L1199114-08 Solid

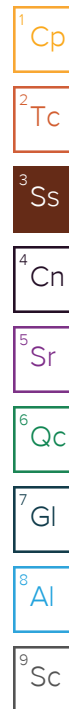
|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 12:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445642 | 1        | 03/19/20 01:41           | 03/19/20 01:48         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 11:23         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 02:52         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 02:53         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/17/20 20:48         | KME                                   | Mt. Juliet, TN                       |

## AH-5S (0-1') L1199114-09 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 13:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30           | 03/19/20 01:36         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 11:33         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 03:12         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 03:13         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 20       | 03/17/20 16:06           | 03/17/20 23:32         | KME                                   | Mt. Juliet, TN                       |

## AH-5S (3-4') L1199114-10 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 13:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30           | 03/19/20 01:36         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 11:42         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445448 | 1        | 03/16/20 08:41           | 03/17/20 14:20         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 03:34         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 20       | 03/17/20 16:06           | 03/17/20 23:57         | KME                                   | Mt. Juliet, TN                       |



## AH-5E (0-1') L1199114-11 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 11:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30           | 03/19/20 01:36         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 11:52         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 03:53         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 03:54         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/18/20 22:18         | FM                                    | Mt. Juliet, TN                       |

## AH-5E (3-4') L1199114-12 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 11:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30           | 03/19/20 01:36         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 12:01         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445448 | 1        | 03/16/20 08:41           | 03/17/20 14:41         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 04:14         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/18/20 19:46         | FM                                    | Mt. Juliet, TN                       |

## AH-5W (0-1') L1199114-13 Solid

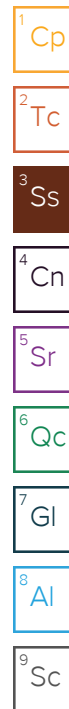
|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 11:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30           | 03/19/20 01:36         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 12:49         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 04:34         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 04:35         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/18/20 19:59         | FM                                    | Mt. Juliet, TN                       |

## AH-5W (3-4') L1199114-14 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 11:30 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30           | 03/19/20 01:36         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 12:58         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 04:55         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 04:55         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06           | 03/17/20 21:26         | KME                                   | Mt. Juliet, TN                       |

## T-6 (1-2') L1199114-15 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 11:50 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30           | 03/19/20 01:36         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 5        | 03/18/20 08:48           | 03/18/20 13:08         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41           | 03/17/20 05:15         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41           | 03/17/20 05:15         | DWR                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 20       | 03/17/20 16:06           | 03/18/20 00:15         | KME                                   | Mt. Juliet, TN                       |



## T-6 (9-10') L1199114-16 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/05/20 12:20      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30        | 03/19/20 01:36     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48        | 03/18/20 13:17     | GB                  | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445448 | 1        | 03/16/20 08:41        | 03/17/20 15:01     | ADM                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41        | 03/17/20 05:35     | DWR                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1445151 | 1        | 03/17/20 16:06        | 03/17/20 21:38     | KME                 | Mt. Juliet, TN     |

1 Cp

2 Tc

3 Ss

4 Cn

## AH-6E (0-1') L1199114-17 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/05/20 13:00      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30        | 03/19/20 01:36     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48        | 03/18/20 13:27     | GB                  | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41        | 03/17/20 07:01     | DWR                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41        | 03/17/20 05:56     | DWR                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41        | 03/19/20 23:30     | KME                 | Mt. Juliet, TN     |

5 Sr

6 Qc

7 Gl

8 Al

## AH-6E (3-4') L1199114-18 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/05/20 13:10      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445643 | 1        | 03/19/20 01:30        | 03/19/20 01:36     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48        | 03/18/20 13:36     | GB                  | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41        | 03/17/20 07:22     | DWR                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41        | 03/17/20 06:16     | DWR                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41        | 03/19/20 21:32     | KME                 | Mt. Juliet, TN     |

9 Sc

## AH-6W (0-1') L1199114-19 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/05/20 11:00      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445647 | 1        | 03/19/20 01:21        | 03/19/20 01:27     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48        | 03/18/20 13:46     | GB                  | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41        | 03/17/20 07:42     | DWR                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41        | 03/17/20 06:36     | DWR                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41        | 03/19/20 21:45     | KME                 | Mt. Juliet, TN     |

## AH-6W (3-4') L1199114-20 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/05/20 11:10      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445647 | 1        | 03/19/20 01:21        | 03/19/20 01:27     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48        | 03/18/20 13:55     | GB                  | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445119 | 1        | 03/16/20 08:41        | 03/17/20 08:03     | DWR                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445122 | 1        | 03/16/20 08:41        | 03/17/20 06:56     | DWR                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41        | 03/19/20 21:57     | KME                 | Mt. Juliet, TN     |

## AH-7W (0-1') L1199114-21 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 11:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445647 | 1        | 03/19/20 01:21           | 03/19/20 01:27         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 14:24         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 01:23         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 15:22         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41           | 03/20/20 07:45         | KME                                   | Mt. Juliet, TN                       |

## AH-7W (3-4') L1199114-22 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 11:30 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445647 | 1        | 03/19/20 01:21           | 03/19/20 01:27         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 5        | 03/18/20 08:48           | 03/18/20 14:34         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 01:44         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 15:41         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41           | 03/19/20 23:56         | KME                                   | Mt. Juliet, TN                       |

## T-7 (1-2') L1199114-23 Solid

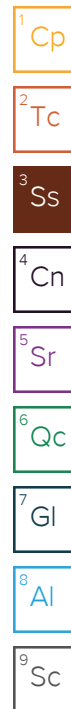
|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 11:50 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445647 | 1        | 03/19/20 01:21           | 03/19/20 01:27         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 5        | 03/18/20 08:48           | 03/18/20 14:43         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 02:04         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 16:00         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41           | 03/19/20 22:40         | KME                                   | Mt. Juliet, TN                       |

## T-7 (17.5') L1199114-24 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 13:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445647 | 1        | 03/19/20 01:21           | 03/19/20 01:27         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 14:53         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 02:25         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 16:19         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41           | 03/20/20 07:19         | KME                                   | Mt. Juliet, TN                       |

## AH-7E (0-1') L1199114-25 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/05/20 13:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445647 | 1        | 03/19/20 01:21           | 03/19/20 01:27         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1444780 | 1        | 03/18/20 08:48           | 03/18/20 15:02         | GB                                    | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445660 | 1        | 03/16/20 08:59           | 03/17/20 18:13         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 16:38         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41           | 03/20/20 00:59         | KME                                   | Mt. Juliet, TN                       |



## AH-7E (3-4') L1199114-26 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 11:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445647 | 1        | 03/19/20 01:21           | 03/19/20 01:27         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 10       | 03/17/20 22:10           | 03/18/20 00:06         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 06:54         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 16:57         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41           | 03/20/20 00:08         | KME                                   | Mt. Juliet, TN                       |

## AH-8N (0-1') L1199114-27 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 11:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445647 | 1        | 03/19/20 01:21           | 03/19/20 01:27         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 1        | 03/17/20 22:10           | 03/18/20 00:15         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 07:14         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 17:16         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41           | 03/19/20 23:05         | KME                                   | Mt. Juliet, TN                       |

## AH-8N (3-4') L1199114-28 Solid

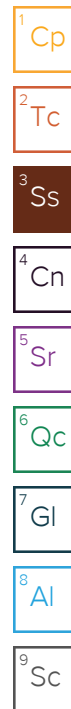
|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 11:30 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56           | 03/19/20 01:04         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 5        | 03/17/20 22:10           | 03/18/20 00:24         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 07:35         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 17:35         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 1        | 03/19/20 06:41           | 03/20/20 07:32         | KME                                   | Mt. Juliet, TN                       |

## T-8 (1-2') L1199114-29 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 11:50 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56           | 03/19/20 01:04         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 5        | 03/17/20 22:10           | 03/18/20 00:34         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445660 | 1        | 03/16/20 08:59           | 03/17/20 18:34         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 17:54         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1446556 | 20       | 03/19/20 06:41           | 03/20/20 02:28         | KME                                   | Mt. Juliet, TN                       |

## T-8 (3-4') L1199114-30 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 12:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56           | 03/19/20 01:04         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 5        | 03/17/20 22:10           | 03/18/20 00:53         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 08:16         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59           | 03/17/20 18:13         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 20       | 03/20/20 15:35           | 03/21/20 04:09         | JDG                                   | Mt. Juliet, TN                       |





## T-8 (7-8') L1199114-31 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/06/20 12:10      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56        | 03/19/20 01:04     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1445291 | 5        | 03/17/20 22:10        | 03/18/20 01:02     | ELN                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445660 | 1        | 03/16/20 08:59        | 03/17/20 18:54     | DWR                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59        | 03/17/20 18:32     | BMB                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35        | 03/21/20 13:28     | JDG                 | Mt. Juliet, TN     |

1 Cp

2 Tc

3 Ss

4 Cn

## T-8 (9-10') L1199114-32 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/06/20 12:20      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56        | 03/19/20 01:04     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1445291 | 5        | 03/17/20 22:10        | 03/18/20 01:12     | ELN                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59        | 03/17/20 08:57     | ADM                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59        | 03/17/20 18:51     | BMB                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35        | 03/21/20 02:54     | JDG                 | Mt. Juliet, TN     |

5 Sr

6 Qc

7 Gl

8 Al

## AH-8E (0-1') L1199114-33 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/06/20 13:00      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56        | 03/19/20 01:04     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1445291 | 1        | 03/17/20 22:10        | 03/18/20 01:40     | ELN                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59        | 03/17/20 09:17     | ADM                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445259 | 1        | 03/16/20 08:59        | 03/17/20 19:10     | BMB                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35        | 03/21/20 03:07     | JDG                 | Mt. Juliet, TN     |

9 Sc

## AH-8E (3-4') L1199114-34 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/06/20 13:10      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56        | 03/19/20 01:04     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1445291 | 1        | 03/17/20 22:10        | 03/18/20 02:09     | ELN                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59        | 03/17/20 09:38     | ADM                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 08:59        | 03/18/20 08:16     | BMB                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35        | 03/21/20 02:41     | JDG                 | Mt. Juliet, TN     |

## AH-8W (0-1') L1199114-35 Solid

|                                                     |           |          |                       | Collected by       | Collected date/time | Received date/time |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------------------|--------------------|
|                                                     |           |          |                       | Adrian             | 03/06/20 11:00      | 03/13/20 08:00     |
| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst             | Location           |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56        | 03/19/20 01:04     | KBC                 | Mt. Juliet, TN     |
| Wet Chemistry by Method 300.0                       | WG1445291 | 1        | 03/17/20 22:10        | 03/18/20 02:18     | ELN                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59        | 03/17/20 09:58     | ADM                 | Mt. Juliet, TN     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 08:59        | 03/18/20 08:37     | BMB                 | Mt. Juliet, TN     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 20       | 03/20/20 15:35        | 03/21/20 03:57     | JDG                 | Mt. Juliet, TN     |

## AH-8W (3-4') L1199114-36 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 11:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56           | 03/19/20 01:04         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 1        | 03/17/20 22:10           | 03/18/20 02:28         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 10:18         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 08:59           | 03/18/20 08:58         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 13:02         | JDG                                   | Mt. Juliet, TN                       |

## AH-9E (0-1) L1199114-37 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 11:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445648 | 1        | 03/19/20 00:56           | 03/19/20 01:04         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 1        | 03/17/20 22:10           | 03/18/20 02:37         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 10:39         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 08:59           | 03/18/20 09:18         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 00:48         | JDG                                   | Mt. Juliet, TN                       |

## AH-9E (3-4') L1199114-38 Solid

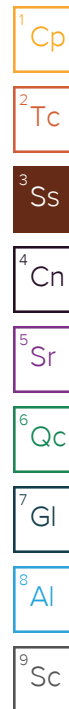
|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 11:30 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 1        | 03/17/20 22:10           | 03/18/20 02:47         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445120 | 1        | 03/16/20 08:59           | 03/17/20 10:59         | ADM                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 08:59           | 03/18/20 09:39         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 13:15         | JDG                                   | Mt. Juliet, TN                       |

## T-9 (1-2') L1199114-39 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 11:50 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 20       | 03/17/20 22:10           | 03/18/20 02:57         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445660 | 1        | 03/16/20 08:59           | 03/17/20 19:15         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 08:59           | 03/18/20 10:00         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 20       | 03/20/20 15:35           | 03/21/20 03:32         | JDG                                   | Mt. Juliet, TN                       |

## T-9 (3-4') L1199114-40 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 12:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 20       | 03/17/20 22:10           | 03/18/20 03:06         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445660 | 1        | 03/16/20 08:59           | 03/17/20 19:35         | DWR                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 08:59           | 03/18/20 10:21         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 10       | 03/20/20 15:35           | 03/21/20 03:44         | JDG                                   | Mt. Juliet, TN                       |



## T-9 (7-8') L1199114-41 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 12:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 20       | 03/17/20 22:10           | 03/18/20 03:35         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1447538 | 1        | 03/16/20 09:14           | 03/20/20 16:07         | JAH                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 10:41         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 01:00         | JDG                                   | Mt. Juliet, TN                       |

## T-9 (9-10') L1199114-42 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 12:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 20       | 03/17/20 22:10           | 03/18/20 03:44         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445128 | 1        | 03/16/20 09:14           | 03/17/20 07:31         | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 11:02         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 01:13         | JDG                                   | Mt. Juliet, TN                       |

## AH-9W (0-1') L1199114-43 Solid

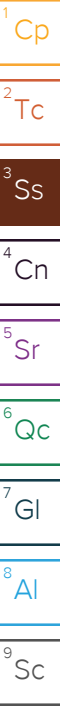
|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 13:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 1        | 03/17/20 22:10           | 03/18/20 03:54         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445128 | 1        | 03/16/20 09:14           | 03/17/20 07:53         | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 11:23         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 50       | 03/20/20 15:35           | 03/21/20 03:19         | JDG                                   | Mt. Juliet, TN                       |

## AH-9W (3-4') L1199114-44 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/06/20 13:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445291 | 1        | 03/17/20 22:10           | 03/18/20 04:03         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445128 | 1        | 03/16/20 09:14           | 03/17/20 08:25         | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 11:43         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 01:26         | JDG                                   | Mt. Juliet, TN                       |

## AH-10E (0-1') L1199114-45 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/09/20 11:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 1        | 03/17/20 20:08           | 03/18/20 00:58         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445128 | 1        | 03/16/20 09:14           | 03/17/20 09:13         | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 12:04         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 01:38         | JDG                                   | Mt. Juliet, TN                       |



## AH-10E (3-4') L1199114-46 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/09/20 11:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 1        | 03/17/20 20:08           | 03/18/20 01:51         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445128 | 1        | 03/16/20 09:14           | 03/17/20 09:57         | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 12:24         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 02:29         | JDG                                   | Mt. Juliet, TN                       |

1 Cp

2 Tc

3 Ss

4 Cn

## AH-10W (0-1') L1199114-47 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/09/20 11:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445649 | 1        | 03/19/20 00:46           | 03/19/20 00:54         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 1        | 03/17/20 20:08           | 03/18/20 02:09         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445128 | 1        | 03/16/20 09:14           | 03/17/20 10:20         | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 12:45         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 01:51         | JDG                                   | Mt. Juliet, TN                       |

5 Sr

6 Qc

7 Gl

8 Al

## AH-10W (3-4') L1199114-48 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/09/20 11:30 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 1        | 03/17/20 20:08           | 03/18/20 02:27         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445128 | 1        | 03/16/20 09:14           | 03/17/20 10:42         | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 13:06         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 02:03         | JDG                                   | Mt. Juliet, TN                       |

9 Sc

## T-10 (1-2') L1199114-49 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/09/20 11:50 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 5        | 03/17/20 20:08           | 03/18/20 02:45         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445128 | 1        | 03/16/20 09:14           | 03/17/20 11:03         | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 13:26         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447675 | 1        | 03/20/20 15:35           | 03/21/20 02:16         | JDG                                   | Mt. Juliet, TN                       |

## T-10 (14-15') L1199114-50 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/09/20 12:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 1        | 03/17/20 20:08           | 03/18/20 03:03         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445199 | 1        | 03/16/20 09:14           | 03/17/20 11:14         | ACG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 13:47         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447038 | 1        | 03/19/20 16:24           | 03/20/20 00:31         | KME                                   | Mt. Juliet, TN                       |

## T-9 (16'-17') L1199114-51 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/09/20 13:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 10       | 03/17/20 20:08           | 03/18/20 03:57         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445199 | 1        | 03/16/20 09:14           | 03/17/20 11:38         | ACG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 14:07         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447038 | 1        | 03/19/20 16:24           | 03/20/20 00:45         | KME                                   | Mt. Juliet, TN                       |

1 Cp

2 Tc

3 Ss

4 Cn

## AH-11W (0-1') L1199114-52 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/10/20 10:50 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 10       | 03/17/20 20:08           | 03/18/20 04:15         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445199 | 1        | 03/16/20 09:14           | 03/17/20 12:14         | ACG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 14:28         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447038 | 1        | 03/19/20 16:24           | 03/20/20 10:45         | FM                                    | Mt. Juliet, TN                       |

5 Sr

6 Qc

7 Gl

8 Al

## AH-11W (3-4') L1199114-53 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/10/20 11:00 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 1        | 03/17/20 20:08           | 03/18/20 04:32         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1446150 | 1        | 03/16/20 09:14           | 03/18/20 17:19         | JAH                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445267 | 1        | 03/16/20 09:14           | 03/18/20 14:48         | BMB                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447038 | 1        | 03/19/20 16:24           | 03/20/20 10:59         | FM                                    | Mt. Juliet, TN                       |

9 Sc

## AH-11E (0-1') L1199114-54 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/10/20 11:10 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 1        | 03/17/20 20:08           | 03/18/20 05:26         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445199 | 1        | 03/16/20 09:14           | 03/17/20 13:02         | ACG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445419 | 1        | 03/16/20 09:14           | 03/17/20 17:30         | JHH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447038 | 1        | 03/19/20 16:24           | 03/20/20 10:32         | FM                                    | Mt. Juliet, TN                       |

## AH-11E (3-4') L1199114-55 Solid

|                                                     |           |          |                          | Collected by<br>Adrian | Collected date/time<br>03/10/20 11:20 | Received date/time<br>03/13/20 08:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time  | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43         | KBC                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1445292 | 1        | 03/17/20 20:08           | 03/18/20 05:44         | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445199 | 1        | 03/16/20 09:14           | 03/17/20 13:26         | ACG                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445419 | 1        | 03/16/20 09:14           | 03/17/20 17:49         | JHH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447038 | 1        | 03/19/20 16:24           | 03/20/20 10:18         | FM                                    | Mt. Juliet, TN                       |

## T-11 (1-2') L1199114-56 Solid

Collected by  
Adrian

Collected date/time  
03/10/20 11:30

Received date/time  
03/13/20 08:00

| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43        | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1445292 | 5        | 03/17/20 20:08           | 03/18/20 06:02        | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445199 | 1        | 03/16/20 09:14           | 03/17/20 13:50        | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445419 | 1        | 03/16/20 09:14           | 03/17/20 18:08        | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447038 | 1        | 03/19/20 16:24           | 03/20/20 00:58        | KME     | Mt. Juliet, TN |

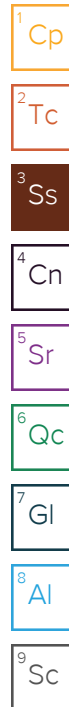
## T-11 (14-15') L1199114-57 Solid

Collected by  
Adrian

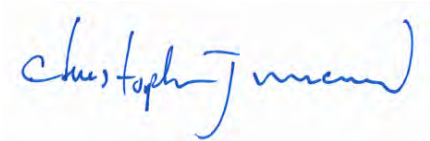
Collected date/time  
03/10/20 12:10

Received date/time  
03/13/20 08:00

| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|--------------------------|-----------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1445651 | 1        | 03/19/20 00:34           | 03/19/20 00:43        | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1445292 | 1        | 03/17/20 20:08           | 03/18/20 06:20        | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1445128 | 1        | 03/16/20 09:14           | 03/17/20 09:35        | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1445419 | 1        | 03/16/20 09:14           | 03/17/20 18:27        | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1447038 | 1        | 03/19/20 16:24           | 03/20/20 09:52        | FM      | 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: 03/03/20 11:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.9   |           | 1        | 03/19/2020 01:48     | <a href="#">WG1445642</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 | 2.79               | <a href="#">B J</a> | 0.829           | 10.4            | 1        | 03/18/2020 20:10     | <a href="#">WG1444779</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       | 0.0568             | <a href="#">B J</a> | 0.0226          | 0.104           | 1        | 03/17/2020 00:27     | <a href="#">WG1445119</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 93.3               |                     |                 | 77.0-120        |          | 03/17/2020 00:27     | <a href="#">WG1445119</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                  |                    | 0.000417        | 0.00104         | 1        | 03/17/2020 00:32     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |                    | 0.00130         | 0.00521         | 1        | 03/17/2020 00:32     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |                    | 0.000553        | 0.00261         | 1        | 03/17/2020 00:32     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |                    | 0.00498         | 0.00678         | 1        | 03/17/2020 00:32     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 98.4               |                    |                 | 75.0-131        |          | 03/17/2020 00:32     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 109                |                    |                 | 67.0-138        |          | 03/17/2020 00:32     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 132                | <a href="#">J1</a> |                 | 70.0-130        |          | 03/17/2020 00:32     | <a href="#">WG1445122</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 | 7.86               |           | 1.68            | 4.17            | 1        | 03/18/2020 21:53     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 29.7               |           | 0.286           | 4.17            | 1        | 03/18/2020 21:53     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 66.7               |           |                 | 18.0-148        |          | 03/18/2020 21:53     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/03/20 11:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.1   |           | 1        | 03/19/2020 01:48     | <a href="#">WG1445642</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 | 106                |           | 0.836           | 10.5            | 1        | 03/18/2020 20:20     | <a href="#">WG1444779</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       | 0.0258             | J         | 0.0228          | 0.105           | 1        | 03/17/2020 13:18     | <a href="#">WG1445448</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.6               |           |                 | 77.0-120        |          | 03/17/2020 13:18     | <a href="#">WG1445448</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                  |           | 0.000421        | 0.00105         | 1        | 03/17/2020 00:52     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00526         | 1        | 03/17/2020 00:52     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000557        | 0.00263         | 1        | 03/17/2020 00:52     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00503         | 0.00683         | 1        | 03/17/2020 00:52     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 101                |           |                 | 75.0-131        |          | 03/17/2020 00:52     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 117                |           |                 | 67.0-138        |          | 03/17/2020 00:52     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 122                |           |                 | 70.0-130        |          | 03/17/2020 00:52     | <a href="#">WG1445122</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 | 8.59               |           | 1.69            | 4.21            | 1        | 03/18/2020 22:05     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 30.2               |           | 0.288           | 4.21            | 1        | 03/18/2020 22:05     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 75.5               |           |                 | 18.0-148        |          | 03/18/2020 22:05     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/03/20 11:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.0   |           | 1        | 03/19/2020 01:48     | <a href="#">WG1445642</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier           | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|---------------------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 2.64         | <a href="#">B J</a> | 0.828     | 10.4      | 1        | 03/18/2020 20:29     | <a href="#">WG1444779</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               | 0.0422       | <a href="#">B J</a> | 0.0226    | 0.104     | 1        | 03/17/2020 01:09     | <a href="#">WG1445119</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 95.2         |                     |           | 77.0-120  |          | 03/17/2020 01:09     | <a href="#">WG1445119</a> |

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

| Analyte                          | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                          | U            |           | 0.000417  | 0.00104   | 1        | 03/17/2020 01:12     | <a href="#">WG1445122</a> |
| Toluene                          | U            |           | 0.00130   | 0.00521   | 1        | 03/17/2020 01:12     | <a href="#">WG1445122</a> |
| Ethylbenzene                     | U            |           | 0.000552  | 0.00260   | 1        | 03/17/2020 01:12     | <a href="#">WG1445122</a> |
| Total Xylenes                    | U            |           | 0.00498   | 0.00677   | 1        | 03/17/2020 01:12     | <a href="#">WG1445122</a> |
| (S) <i>Toluene-d8</i>            | 99.6         |           |           | 75.0-131  |          | 03/17/2020 01:12     | <a href="#">WG1445122</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 115          |           |           | 67.0-138  |          | 03/17/2020 01:12     | <a href="#">WG1445122</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 119          |           |           | 70.0-130  |          | 03/17/2020 01:12     | <a href="#">WG1445122</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    | 7.90         |           | 1.68      | 4.17      | 1        | 03/18/2020 21:40     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range       | 28.0         |           | 0.285     | 4.17      | 1        | 03/18/2020 21:40     | <a href="#">WG1445151</a> |
| (S) <i>o</i> -Terphenyl | 69.6         |           |           | 18.0-148  |          | 03/18/2020 21:40     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/03/20 11:30

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 94.3   |           | 1        | 03/19/2020 01:48 | <a href="#">WG1445642</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 | 285          |           | 0.843     | 10.6      | 1        | 03/18/2020 20:39 | <a href="#">WG1444779</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            |           | 0.0230    | 0.106     | 1        | 03/17/2020 13:39 | <a href="#">WG1445448</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 94.5         |           |           | 77.0-120  |          | 03/17/2020 13:39 | <a href="#">WG1445448</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            |           | 0.000424  | 0.00106   | 1        | 03/17/2020 01:32 | <a href="#">WG1445122</a> |
| Toluene                          | U            |           | 0.00133   | 0.00530   | 1        | 03/17/2020 01:32 | <a href="#">WG1445122</a> |
| Ethylbenzene                     | U            |           | 0.000562  | 0.00265   | 1        | 03/17/2020 01:32 | <a href="#">WG1445122</a> |
| Total Xylenes                    | U            |           | 0.00507   | 0.00689   | 1        | 03/17/2020 01:32 | <a href="#">WG1445122</a> |
| (S) <i>Toluene-d8</i>            | 101          |           |           | 75.0-131  |          | 03/17/2020 01:32 | <a href="#">WG1445122</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 112          |           |           | 67.0-138  |          | 03/17/2020 01:32 | <a href="#">WG1445122</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 117          |           |           | 70.0-130  |          | 03/17/2020 01:32 | <a href="#">WG1445122</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    | 2.16         | J         | 1.71      | 4.24      | 1        | 03/17/2020 22:04 | <a href="#">WG1445151</a> |
| C28-C40 Oil Range       | 7.64         |           | 0.291     | 4.24      | 1        | 03/17/2020 22:04 | <a href="#">WG1445151</a> |
| (S) <i>o</i> -Terphenyl | 59.0         |           |           | 18.0-148  |          | 03/17/2020 22:04 | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 11:50

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.1   |           | 1        | 03/19/2020 01:48     | <a href="#">WG1445642</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 38.0         |           | 0.836     | 10.5      | 1        | 03/18/2020 20:48     | <a href="#">WG1444779</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               | 0.0350       | <a href="#">B J</a> | 0.0228    | 0.105     | 1        | 03/17/2020 01:50     | <a href="#">WG1445119</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 94.8         |                     |           | 77.0-120  |          | 03/17/2020 01:50     | <a href="#">WG1445119</a> |

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

| Analyte                          | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                          | U            |           | 0.000421  | 0.00105   | 1        | 03/17/2020 01:52     | <a href="#">WG1445122</a> |
| Toluene                          | U            |           | 0.00131   | 0.00526   | 1        | 03/17/2020 01:52     | <a href="#">WG1445122</a> |
| Ethylbenzene                     | U            |           | 0.000557  | 0.00263   | 1        | 03/17/2020 01:52     | <a href="#">WG1445122</a> |
| Total Xylenes                    | U            |           | 0.00503   | 0.00684   | 1        | 03/17/2020 01:52     | <a href="#">WG1445122</a> |
| (S) <i>Toluene-d8</i>            | 102          |           |           | 75.0-131  |          | 03/17/2020 01:52     | <a href="#">WG1445122</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 109          |           |           | 67.0-138  |          | 03/17/2020 01:52     | <a href="#">WG1445122</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 115          |           |           | 70.0-130  |          | 03/17/2020 01:52     | <a href="#">WG1445122</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      | 4.21      | 1        | 03/17/2020 21:00     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range       | 4.04         | <a href="#">J</a> | 0.288     | 4.21      | 1        | 03/17/2020 21:00     | <a href="#">WG1445151</a> |
| (S) <i>o</i> -Terphenyl | 64.4         |                   |           | 18.0-148  |          | 03/17/2020 21:00     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 12:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 91.1   |           | 1        | 03/19/2020 01:48 | <a href="#">WG1445642</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 | 628          |           | 0.873     | 11.0      | 1        | 03/18/2020 10:55 | <a href="#">WG1444780</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               | 0.0649       | <a href="#">B J</a> | 0.0238    | 0.110     | 1        | 03/17/2020 02:10 | <a href="#">WG1445119</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 93.5         |                     |           | 77.0-120  |          | 03/17/2020 02:10 | <a href="#">WG1445119</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            |           | 0.000457  | 0.00114   | 1.04     | 03/17/2020 02:13 | <a href="#">WG1445122</a> |
| Toluene                          | U            |           | 0.00143   | 0.00571   | 1.04     | 03/17/2020 02:13 | <a href="#">WG1445122</a> |
| Ethylbenzene                     | U            |           | 0.000605  | 0.00285   | 1.04     | 03/17/2020 02:13 | <a href="#">WG1445122</a> |
| Total Xylenes                    | U            |           | 0.00546   | 0.00742   | 1.04     | 03/17/2020 02:13 | <a href="#">WG1445122</a> |
| (S) <i>Toluene-d8</i>            | 99.4         |           |           | 75.0-131  |          | 03/17/2020 02:13 | <a href="#">WG1445122</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 113          |           |           | 67.0-138  |          | 03/17/2020 02:13 | <a href="#">WG1445122</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 115          |           |           | 70.0-130  |          | 03/17/2020 02:13 | <a href="#">WG1445122</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            |                   | 1.77      | 4.39      | 1        | 03/17/2020 21:13 | <a href="#">WG1445151</a> |
| C28-C40 Oil Range       | 3.13         | <a href="#">J</a> | 0.301     | 4.39      | 1        | 03/17/2020 21:13 | <a href="#">WG1445151</a> |
| (S) <i>o</i> -Terphenyl | 70.9         |                   |           | 18.0-148  |          | 03/17/2020 21:13 | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 12:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.7   |           | 1        | 03/19/2020 01:48     | <a href="#">WG1445642</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 2630         |           | 4.39      | 55.1      | 5        | 03/18/2020 11:14     | <a href="#">WG1444780</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       | 0.0670       | J         | 0.0239    | 0.110     | 1        | 03/17/2020 13:59     | <a href="#">WG1445448</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 92.1         |           |           | 77.0-120  |          | 03/17/2020 13:59     | <a href="#">WG1445448</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000441  | 0.00110   | 1        | 03/17/2020 02:33     | <a href="#">WG1445122</a> |
| Toluene                   | U            |           | 0.00138   | 0.00551   | 1        | 03/17/2020 02:33     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U            |           | 0.000584  | 0.00276   | 1        | 03/17/2020 02:33     | <a href="#">WG1445122</a> |
| Total Xylenes             | U            |           | 0.00527   | 0.00717   | 1        | 03/17/2020 02:33     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 102          |           |           | 75.0-131  |          | 03/17/2020 02:33     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 112          |           |           | 67.0-138  |          | 03/17/2020 02:33     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 118          |           |           | 70.0-130  |          | 03/17/2020 02:33     | <a href="#">WG1445122</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            |           | 1.78      | 4.41      | 1        | 03/17/2020 20:35     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 7.83         |           | 0.302     | 4.41      | 1        | 03/17/2020 20:35     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 68.8         |           |           | 18.0-148  |          | 03/17/2020 20:35     | <a href="#">WG1445151</a> |

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



Collected date/time: 03/05/20 12:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.6   |           | 1        | 03/19/2020 01:48     | <a href="#">WG1445642</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 233          |           | 0.877     | 11.0      | 1        | 03/18/2020 11:23     | <a href="#">WG1444780</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       | 0.0347       | <a href="#">B J</a> | 0.0240    | 0.110     | 1        | 03/17/2020 02:52     | <a href="#">WG1445119</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 93.8         |                     |           | 77.0-120  |          | 03/17/2020 02:52     | <a href="#">WG1445119</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000442  | 0.00110   | 1        | 03/17/2020 02:53     | <a href="#">WG1445122</a> |
| Toluene                   | U            |           | 0.00138   | 0.00552   | 1        | 03/17/2020 02:53     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U            |           | 0.000585  | 0.00276   | 1        | 03/17/2020 02:53     | <a href="#">WG1445122</a> |
| Total Xylenes             | U            |           | 0.00528   | 0.00717   | 1        | 03/17/2020 02:53     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 102          |           |           | 75.0-131  |          | 03/17/2020 02:53     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 113          |           |           | 67.0-138  |          | 03/17/2020 02:53     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 114          |           |           | 70.0-130  |          | 03/17/2020 02:53     | <a href="#">WG1445122</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            |                   | 1.78      | 4.42      | 1        | 03/17/2020 20:48     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 1.56         | <a href="#">J</a> | 0.302     | 4.42      | 1        | 03/17/2020 20:48     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 65.5         |                   |           | 18.0-148  |          | 03/17/2020 20:48     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 13:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.0   |           | 1        | 03/19/2020 01:36 | <a href="#">WG1445643</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 | 38.2         |           | 0.820     | 10.3      | 1        | 03/18/2020 11:33 | <a href="#">WG1444780</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               | 0.0321       | <a href="#">B J</a> | 0.0224    | 0.103     | 1        | 03/17/2020 03:12 | <a href="#">WG1445119</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 94.5         |                     |           | 77.0-120  |          | 03/17/2020 03:12 | <a href="#">WG1445119</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            |           | 0.000412  | 0.00103   | 1        | 03/17/2020 03:13 | <a href="#">WG1445122</a> |
| Toluene                   | U            |           | 0.00129   | 0.00515   | 1        | 03/17/2020 03:13 | <a href="#">WG1445122</a> |
| Ethylbenzene              | U            |           | 0.000546  | 0.00258   | 1        | 03/17/2020 03:13 | <a href="#">WG1445122</a> |
| Total Xylenes             | U            |           | 0.00493   | 0.00670   | 1        | 03/17/2020 03:13 | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 104          |           |           | 75.0-131  |          | 03/17/2020 03:13 | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 120          |           |           | 67.0-138  |          | 03/17/2020 03:13 | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 113          |           |           | 70.0-130  |          | 03/17/2020 03:13 | <a href="#">WG1445122</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 | 133          |                    | 33.2      | 82.5      | 20       | 03/17/2020 23:32 | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 391          |                    | 5.65      | 82.5      | 20       | 03/17/2020 23:32 | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 0.000        | <a href="#">J7</a> |           | 18.0-148  |          | 03/17/2020 23:32 | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 13:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.6   |           | 1        | 03/19/2020 01:36     | <a href="#">WG1445643</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 | 84.6               |           | 0.878           | 11.0            | 1        | 03/18/2020 11:42     | <a href="#">WG1444780</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                  |           | 0.0240          | 0.110           | 1        | 03/17/2020 14:20     | <a href="#">WG1445448</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.0               |           |                 | 77.0-120        |          | 03/17/2020 14:20     | <a href="#">WG1445448</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                  |           | 0.000442        | 0.00110         | 1        | 03/17/2020 03:34     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00138         | 0.00552         | 1        | 03/17/2020 03:34     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000585        | 0.00276         | 1        | 03/17/2020 03:34     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00528         | 0.00717         | 1        | 03/17/2020 03:34     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 03/17/2020 03:34     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 113                |           |                 | 67.0-138        |          | 03/17/2020 03:34     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 107                |           |                 | 70.0-130        |          | 03/17/2020 03:34     | <a href="#">WG1445122</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 | 309                |                    | 35.5            | 88.3            | 20       | 03/17/2020 23:57     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 793                |                    | 6.05            | 88.3            | 20       | 03/17/2020 23:57     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 0.000              | <a href="#">J7</a> |                 | 18.0-148        |          | 03/17/2020 23:57     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 11:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.9   |           | 1        | 03/19/2020 01:36     | <a href="#">WG1445643</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 | 2.50               | J         | 0.829           | 10.4            | 1        | 03/18/2020 11:52     | <a href="#">WG1444780</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       | 0.0312             | B J       | 0.0226          | 0.104           | 1        | 03/17/2020 03:53     | <a href="#">WG1445119</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.4               |           |                 | 77.0-120        |          | 03/17/2020 03:53     | <a href="#">WG1445119</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                  |           | 0.000417        | 0.00104         | 1        | 03/17/2020 03:54     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00130         | 0.00521         | 1        | 03/17/2020 03:54     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000553        | 0.00261         | 1        | 03/17/2020 03:54     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00498         | 0.00678         | 1        | 03/17/2020 03:54     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 104                |           |                 | 75.0-131        |          | 03/17/2020 03:54     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 117                |           |                 | 67.0-138        |          | 03/17/2020 03:54     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 112                |           |                 | 70.0-130        |          | 03/17/2020 03:54     | <a href="#">WG1445122</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 | 9.00               |           | 1.68            | 4.17            | 1        | 03/18/2020 22:18     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 33.3               |           | 0.286           | 4.17            | 1        | 03/18/2020 22:18     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 73.7               |           |                 | 18.0-148        |          | 03/18/2020 22:18     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 11:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.6   |           | 1        | 03/19/2020 01:36     | <a href="#">WG1445643</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 209          |           | 0.841     | 10.6      | 1        | 03/18/2020 12:01     | <a href="#">WG1444780</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        | 03/17/2020 14:41     | <a href="#">WG1445448</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 94.3         |           |           | 77.0-120  |          | 03/17/2020 14:41     | <a href="#">WG1445448</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000423  | 0.00106   | 1        | 03/17/2020 04:14     | <a href="#">WG1445122</a> |
| Toluene                   | U            |           | 0.00132   | 0.00529   | 1        | 03/17/2020 04:14     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U            |           | 0.000561  | 0.00264   | 1        | 03/17/2020 04:14     | <a href="#">WG1445122</a> |
| Total Xylenes             | U            |           | 0.00506   | 0.00687   | 1        | 03/17/2020 04:14     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 102          |           |           | 75.0-131  |          | 03/17/2020 04:14     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 115          |           |           | 67.0-138  |          | 03/17/2020 04:14     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 110          |           |           | 70.0-130  |          | 03/17/2020 04:14     | <a href="#">WG1445122</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 | 3.18         | J         | 1.70      | 4.23      | 1        | 03/18/2020 19:46     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 8.05         |           | 0.290     | 4.23      | 1        | 03/18/2020 19:46     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 69.3         |           |           | 18.0-148  |          | 03/18/2020 19:46     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 11:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.8   |           | 1        | 03/19/2020 01:36     | <a href="#">WG1445643</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 | 19.2               |           | 0.813           | 10.2            | 1        | 03/18/2020 12:49     | <a href="#">WG1444780</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       | 0.0273             | <a href="#">B J</a> | 0.0222          | 0.102           | 1        | 03/17/2020 04:34     | <a href="#">WG1445119</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.4               |                     |                 | 77.0-120        |          | 03/17/2020 04:34     | <a href="#">WG1445119</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                  |           | 0.000409        | 0.00102         | 1        | 03/17/2020 04:35     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00128         | 0.00511         | 1        | 03/17/2020 04:35     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000542        | 0.00256         | 1        | 03/17/2020 04:35     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00489         | 0.00665         | 1        | 03/17/2020 04:35     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 03/17/2020 04:35     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 115                |           |                 | 67.0-138        |          | 03/17/2020 04:35     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 115                |           |                 | 70.0-130        |          | 03/17/2020 04:35     | <a href="#">WG1445122</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 | 23.8               |           | 1.65            | 4.09            | 1        | 03/18/2020 19:59     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 63.4               |           | 0.280           | 4.09            | 1        | 03/18/2020 19:59     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 61.3               |           |                 | 18.0-148        |          | 03/18/2020 19:59     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 11:30

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.1   |           | 1        | 03/19/2020 01:36     | <a href="#">WG1445643</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 | 33.7               |           | 0.827           | 10.4            | 1        | 03/18/2020 12:58     | <a href="#">WG1444780</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       | 0.0362             | <a href="#">B J</a> | 0.0226          | 0.104           | 1        | 03/17/2020 04:55     | <a href="#">WG1445119</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.9               |                     |                 | 77.0-120        |          | 03/17/2020 04:55     | <a href="#">WG1445119</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                  |           | 0.000416        | 0.00104         | 1        | 03/17/2020 04:55     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00130         | 0.00520         | 1        | 03/17/2020 04:55     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000551        | 0.00260         | 1        | 03/17/2020 04:55     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00497         | 0.00676         | 1        | 03/17/2020 04:55     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 03/17/2020 04:55     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 119                |           |                 | 67.0-138        |          | 03/17/2020 04:55     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 113                |           |                 | 70.0-130        |          | 03/17/2020 04:55     | <a href="#">WG1445122</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 | 18.5               |           | 1.67            | 4.16            | 1        | 03/17/2020 21:26     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 6.18               |           | 0.285           | 4.16            | 1        | 03/17/2020 21:26     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 40.4               |           |                 | 18.0-148        |          | 03/17/2020 21:26     | <a href="#">WG1445151</a> |

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



Collected date/time: 03/05/20 11:50

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.4   |           | 1        | 03/19/2020 01:36     | <a href="#">WG1445643</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 | 569                |           | 4.40            | 55.3            | 5        | 03/18/2020 13:08     | <a href="#">WG1444780</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       | 0.0265             | <a href="#">B J</a> | 0.0240          | 0.111           | 1        | 03/17/2020 05:15     | <a href="#">WG1445119</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.0               |                     |                 | 77.0-120        |          | 03/17/2020 05:15     | <a href="#">WG1445119</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                  |           | 0.000442        | 0.00111         | 1        | 03/17/2020 05:15     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00138         | 0.00553         | 1        | 03/17/2020 05:15     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000586        | 0.00277         | 1        | 03/17/2020 05:15     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00529         | 0.00719         | 1        | 03/17/2020 05:15     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 03/17/2020 05:15     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 115                |           |                 | 67.0-138        |          | 03/17/2020 05:15     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 116                |           |                 | 70.0-130        |          | 03/17/2020 05:15     | <a href="#">WG1445122</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 | 1250               |                    | 35.6            | 88.5            | 20       | 03/18/2020 00:15     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 969                |                    | 6.06            | 88.5            | 20       | 03/18/2020 00:15     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 0.000              | <a href="#">J7</a> |                 | 18.0-148        |          | 03/18/2020 00:15     | <a href="#">WG1445151</a> |

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

Collected date/time: 03/05/20 12:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.4   |           | 1        | 03/19/2020 01:36     | <a href="#">WG1445643</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 | 722                |           | 0.851           | 10.7            | 1        | 03/18/2020 13:17     | <a href="#">WG1444780</a> |

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

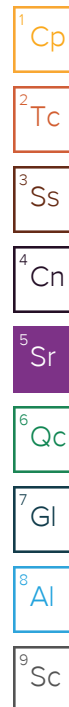
| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0251             | J         | 0.0232          | 0.107           | 1        | 03/17/2020 15:01     | <a href="#">WG1445448</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.1               |           |                 | 77.0-120        |          | 03/17/2020 15:01     | <a href="#">WG1445448</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                  |           | 0.000428        | 0.00107         | 1        | 03/17/2020 05:35     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00535         | 1        | 03/17/2020 05:35     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000568        | 0.00268         | 1        | 03/17/2020 05:35     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00512         | 0.00696         | 1        | 03/17/2020 05:35     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 03/17/2020 05:35     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 114                |           |                 | 67.0-138        |          | 03/17/2020 05:35     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 114                |           |                 | 70.0-130        |          | 03/17/2020 05:35     | <a href="#">WG1445122</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 | 215                |           | 1.72            | 4.28            | 1        | 03/17/2020 21:38     | <a href="#">WG1445151</a> |
| C28-C40 Oil Range    | 156                |           | 0.293           | 4.28            | 1        | 03/17/2020 21:38     | <a href="#">WG1445151</a> |
| (S) o-Terphenyl      | 71.0               |           |                 | 18.0-148        |          | 03/17/2020 21:38     | <a href="#">WG1445151</a> |



Collected date/time: 03/05/20 13:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.7   |           | 1        | 03/19/2020 01:36     | <a href="#">WG1445643</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 | 1.38               | J         | 0.830           | 10.4            | 1        | 03/18/2020 13:27     | <a href="#">WG1444780</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       | 0.0323             | B J       | 0.0227          | 0.104           | 1        | 03/17/2020 07:01     | <a href="#">WG1445119</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.4               |           |                 | 77.0-120        |          | 03/17/2020 07:01     | <a href="#">WG1445119</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                  |           | 0.000418        | 0.00104         | 1        | 03/17/2020 05:56     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00522         | 1        | 03/17/2020 05:56     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000554        | 0.00261         | 1        | 03/17/2020 05:56     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00499         | 0.00679         | 1        | 03/17/2020 05:56     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 03/17/2020 05:56     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 115                |           |                 | 67.0-138        |          | 03/17/2020 05:56     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 107                |           |                 | 70.0-130        |          | 03/17/2020 05:56     | <a href="#">WG1445122</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 | 2.54               | J         | 1.68            | 4.18            | 1        | 03/19/2020 23:30     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 9.51               |           | 0.286           | 4.18            | 1        | 03/19/2020 23:30     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 66.8               |           |                 | 18.0-148        |          | 03/19/2020 23:30     | <a href="#">WG1446556</a> |

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

Collected date/time: 03/05/20 13:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.6   |           | 1        | 03/19/2020 01:36     | <a href="#">WG1445643</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 | 3.41               | J         | 0.832           | 10.5            | 1        | 03/18/2020 13:36     | <a href="#">WG1444780</a> |

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

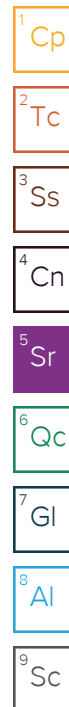
| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0247             | B J       | 0.0227          | 0.105           | 1        | 03/17/2020 07:22     | <a href="#">WG1445119</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.3               |           |                 | 77.0-120        |          | 03/17/2020 07:22     | <a href="#">WG1445119</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                  |           | 0.000419        | 0.00105         | 1        | 03/17/2020 06:16     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00523         | 1        | 03/17/2020 06:16     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000555        | 0.00262         | 1        | 03/17/2020 06:16     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00500         | 0.00680         | 1        | 03/17/2020 06:16     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 03/17/2020 06:16     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 119                |           |                 | 67.0-138        |          | 03/17/2020 06:16     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 110                |           |                 | 70.0-130        |          | 03/17/2020 06:16     | <a href="#">WG1445122</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            | 4.19            | 1        | 03/19/2020 21:32     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 3.52               | J         | 0.287           | 4.19            | 1        | 03/19/2020 21:32     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 66.5               |           |                 | 18.0-148        |          | 03/19/2020 21:32     | <a href="#">WG1446556</a> |



Collected date/time: 03/05/20 11:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.4   |           | 1        | 03/19/2020 01:27     | <a href="#">WG1445647</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 | 1.27               | J         | 0.851           | 10.7            | 1        | 03/18/2020 13:46     | <a href="#">WG1444780</a> |

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

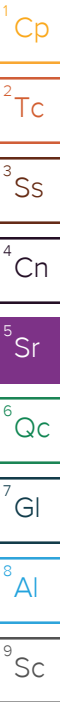
| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0324             | B J       | 0.0232          | 0.107           | 1        | 03/17/2020 07:42     | <a href="#">WG1445119</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.5               |           |                 | 77.0-120        |          | 03/17/2020 07:42     | <a href="#">WG1445119</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                  |           | 0.000428        | 0.00107         | 1        | 03/17/2020 06:36     | <a href="#">WG1445122</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00535         | 1        | 03/17/2020 06:36     | <a href="#">WG1445122</a> |
| Ethylbenzene              | U                  |           | 0.000567        | 0.00268         | 1        | 03/17/2020 06:36     | <a href="#">WG1445122</a> |
| Total Xylenes             | U                  |           | 0.00512         | 0.00696         | 1        | 03/17/2020 06:36     | <a href="#">WG1445122</a> |
| (S) Toluene-d8            | 101                |           |                 | 75.0-131        |          | 03/17/2020 06:36     | <a href="#">WG1445122</a> |
| (S) 4-Bromofluorobenzene  | 115                |           |                 | 67.0-138        |          | 03/17/2020 06:36     | <a href="#">WG1445122</a> |
| (S) 1,2-Dichloroethane-d4 | 111                |           |                 | 70.0-130        |          | 03/17/2020 06:36     | <a href="#">WG1445122</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        | 03/19/2020 21:45     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 3.00               | J         | 0.293           | 4.28            | 1        | 03/19/2020 21:45     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 62.9               |           |                 | 18.0-148        |          | 03/19/2020 21:45     | <a href="#">WG1446556</a> |



Collected date/time: 03/05/20 11:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.2   |           | 1        | 03/19/2020 01:27     | <a href="#">WG1445647</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 24.0         |           | 0.862     | 10.8      | 1        | 03/18/2020 13:55     | <a href="#">WG1444780</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               | 0.0788       | <a href="#">B J</a> | 0.0235    | 0.108     | 1        | 03/17/2020 08:03     | <a href="#">WG1445119</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 92.8         |                     |           | 77.0-120  |          | 03/17/2020 08:03     | <a href="#">WG1445119</a> |

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

| Analyte                          | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                          | U            |           | 0.000434  | 0.00108   | 1        | 03/17/2020 06:56     | <a href="#">WG1445122</a> |
| Toluene                          | U            |           | 0.00136   | 0.00542   | 1        | 03/17/2020 06:56     | <a href="#">WG1445122</a> |
| Ethylbenzene                     | U            |           | 0.000575  | 0.00271   | 1        | 03/17/2020 06:56     | <a href="#">WG1445122</a> |
| Total Xylenes                    | U            |           | 0.00518   | 0.00705   | 1        | 03/17/2020 06:56     | <a href="#">WG1445122</a> |
| (S) <i>Toluene-d8</i>            | 103          |           |           | 75.0-131  |          | 03/17/2020 06:56     | <a href="#">WG1445122</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 114          |           |           | 67.0-138  |          | 03/17/2020 06:56     | <a href="#">WG1445122</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 106          |           |           | 70.0-130  |          | 03/17/2020 06:56     | <a href="#">WG1445122</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            |                   | 1.75      | 4.34      | 1        | 03/19/2020 21:57     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range       | 4.33         | <a href="#">J</a> | 0.297     | 4.34      | 1        | 03/19/2020 21:57     | <a href="#">WG1446556</a> |
| (S) <i>o</i> -Terphenyl | 63.0         |                   |           | 18.0-148  |          | 03/19/2020 21:57     | <a href="#">WG1446556</a> |

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

Collected date/time: 03/05/20 11:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.5   |           | 1        | 03/19/2020 01:27     | <a href="#">WG1445647</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 3.62         | J         | 0.841     | 10.6      | 1        | 03/18/2020 14:24     | <a href="#">WG1444780</a> |

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

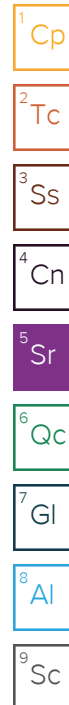
| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0546       | B J       | 0.0230    | 0.106     | 1        | 03/17/2020 01:23     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.0         |           |           | 77.0-120  |          | 03/17/2020 01:23     | <a href="#">WG1445120</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000423  | 0.00106   | 1        | 03/17/2020 15:22     | <a href="#">WG1445259</a> |
| Toluene                   | U            |           | 0.00132   | 0.00529   | 1        | 03/17/2020 15:22     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U            |           | 0.000561  | 0.00264   | 1        | 03/17/2020 15:22     | <a href="#">WG1445259</a> |
| Total Xylenes             | U            |           | 0.00506   | 0.00688   | 1        | 03/17/2020 15:22     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 03/17/2020 15:22     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 103          |           |           | 67.0-138  |          | 03/17/2020 15:22     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 99.2         |           |           | 70.0-130  |          | 03/17/2020 15:22     | <a href="#">WG1445259</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 | 16.4         |           | 1.70      | 4.23      | 1        | 03/20/2020 07:45     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 53.2         |           | 0.290     | 4.23      | 1        | 03/20/2020 07:45     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 47.2         |           |           | 18.0-148  |          | 03/20/2020 07:45     | <a href="#">WG1446556</a> |





Collected date/time: 03/05/20 11:30

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 87.5   |           | 1        | 03/19/2020 01:27     | <a href="#">WG1445647</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 1950         |           | 4.55      | 57.1      | 5        | 03/18/2020 14:34     | <a href="#">WG1444780</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       | 0.0493       | <a href="#">B J</a> | 0.0248    | 0.114     | 1        | 03/17/2020 01:44     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.7         |                     |           | 77.0-120  |          | 03/17/2020 01:44     | <a href="#">WG1445120</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000457  | 0.00114   | 1        | 03/17/2020 15:41     | <a href="#">WG1445259</a> |
| Toluene                   | U            |           | 0.00143   | 0.00571   | 1        | 03/17/2020 15:41     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U            |           | 0.000606  | 0.00286   | 1        | 03/17/2020 15:41     | <a href="#">WG1445259</a> |
| Total Xylenes             | U            |           | 0.00546   | 0.00743   | 1        | 03/17/2020 15:41     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 03/17/2020 15:41     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 99.6         |           |           | 67.0-138  |          | 03/17/2020 15:41     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 100          |           |           | 70.0-130  |          | 03/17/2020 15:41     | <a href="#">WG1445259</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 | 8.71         |           | 1.84      | 4.57      | 1        | 03/19/2020 23:56     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 18.5         |           | 0.313     | 4.57      | 1        | 03/19/2020 23:56     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 67.5         |           |           | 18.0-148  |          | 03/19/2020 23:56     | <a href="#">WG1446556</a> |

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

Collected date/time: 03/05/20 11:50

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.9   |           | 1        | 03/19/2020 01:27     | <a href="#">WG1445647</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 | 1100               |           | 4.38            | 55.0            | 5        | 03/18/2020 14:43     | <a href="#">WG1444780</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       | 0.0522             | <a href="#">B J</a> | 0.0239          | 0.110           | 1        | 03/17/2020 02:04     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.3               |                     |                 | 77.0-120        |          | 03/17/2020 02:04     | <a href="#">WG1445120</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                  |           | 0.000440        | 0.00110         | 1        | 03/17/2020 16:00     | <a href="#">WG1445259</a> |
| Toluene                   | U                  |           | 0.00138         | 0.00550         | 1        | 03/17/2020 16:00     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U                  |           | 0.000583        | 0.00275         | 1        | 03/17/2020 16:00     | <a href="#">WG1445259</a> |
| Total Xylenes             | U                  |           | 0.00526         | 0.00715         | 1        | 03/17/2020 16:00     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 03/17/2020 16:00     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 98.8               |           |                 | 67.0-138        |          | 03/17/2020 16:00     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 101                |           |                 | 70.0-130        |          | 03/17/2020 16:00     | <a href="#">WG1445259</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> | 1.77            | 4.40            | 1        | 03/19/2020 22:40     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 8.45               |                   | 0.302           | 4.40            | 1        | 03/19/2020 22:40     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 68.2               |                   |                 | 18.0-148        |          | 03/19/2020 22:40     | <a href="#">WG1446556</a> |

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

Collected date/time: 03/05/20 13:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.6   |           | 1        | 03/19/2020 01:27     | <a href="#">WG1445647</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 | 446                |           | 0.832           | 10.5            | 1        | 03/18/2020 14:53     | <a href="#">WG1444780</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       | 0.0392             | <a href="#">B J</a> | 0.0227          | 0.105           | 1        | 03/17/2020 02:25     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.6               |                     |                 | 77.0-120        |          | 03/17/2020 02:25     | <a href="#">WG1445120</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                  |           | 0.000419        | 0.00105         | 1        | 03/17/2020 16:19     | <a href="#">WG1445259</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00523         | 1        | 03/17/2020 16:19     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U                  |           | 0.000555        | 0.00262         | 1        | 03/17/2020 16:19     | <a href="#">WG1445259</a> |
| Total Xylenes             | U                  |           | 0.00500         | 0.00680         | 1        | 03/17/2020 16:19     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 107                |           |                 | 75.0-131        |          | 03/17/2020 16:19     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 100                |           |                 | 67.0-138        |          | 03/17/2020 16:19     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 98.8               |           |                 | 70.0-130        |          | 03/17/2020 16:19     | <a href="#">WG1445259</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 | 1.76               | <a href="#">J</a> | 1.68            | 4.19            | 1        | 03/20/2020 07:19     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 1.61               | <a href="#">J</a> | 0.287           | 4.19            | 1        | 03/20/2020 07:19     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 74.3               |                   |                 | 18.0-148        |          | 03/20/2020 07:19     | <a href="#">WG1446556</a> |

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

Collected date/time: 03/05/20 13:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.7   |           | 1        | 03/19/2020 01:27     | <a href="#">WG1445647</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 | 3.69               | J         | 0.839           | 10.6            | 1        | 03/18/2020 15:02     | <a href="#">WG1444780</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       | 0.0548             | B J       | 0.0229          | 0.106           | 1        | 03/17/2020 18:13     | <a href="#">WG1445660</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.5               |           |                 | 77.0-120        |          | 03/17/2020 18:13     | <a href="#">WG1445660</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                  |           | 0.000422        | 0.00106         | 1        | 03/17/2020 16:38     | <a href="#">WG1445259</a> |
| Toluene                   | U                  |           | 0.00132         | 0.00528         | 1        | 03/17/2020 16:38     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U                  |           | 0.000560        | 0.00264         | 1        | 03/17/2020 16:38     | <a href="#">WG1445259</a> |
| Total Xylenes             | U                  |           | 0.00505         | 0.00686         | 1        | 03/17/2020 16:38     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 03/17/2020 16:38     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 98.1               |           |                 | 67.0-138        |          | 03/17/2020 16:38     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 101                |           |                 | 70.0-130        |          | 03/17/2020 16:38     | <a href="#">WG1445259</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 | 9.98               |           | 1.70            | 4.22            | 1        | 03/20/2020 00:59     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 28.0               |           | 0.289           | 4.22            | 1        | 03/20/2020 00:59     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 62.5               |           |                 | 18.0-148        |          | 03/20/2020 00:59     | <a href="#">WG1446556</a> |

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

Collected date/time: 03/06/20 11:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 87.1   |           | 1        | 03/19/2020 01:27     | <a href="#">WG1445647</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 | 1780               |           | 9.13            | 115             | 10       | 03/18/2020 00:06     | <a href="#">WG1445291</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       | 0.0422             | <a href="#">B J</a> | 0.0249          | 0.115           | 1        | 03/17/2020 06:54     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9               |                     |                 | 77.0-120        |          | 03/17/2020 06:54     | <a href="#">WG1445120</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                  |           | 0.000459        | 0.00115         | 1        | 03/17/2020 16:57     | <a href="#">WG1445259</a> |
| Toluene                   | U                  |           | 0.00144         | 0.00574         | 1        | 03/17/2020 16:57     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U                  |           | 0.000608        | 0.00287         | 1        | 03/17/2020 16:57     | <a href="#">WG1445259</a> |
| Total Xylenes             | U                  |           | 0.00549         | 0.00746         | 1        | 03/17/2020 16:57     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 106                |           |                 | 75.0-131        |          | 03/17/2020 16:57     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 100                |           |                 | 67.0-138        |          | 03/17/2020 16:57     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 100                |           |                 | 70.0-130        |          | 03/17/2020 16:57     | <a href="#">WG1445259</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               |           | 1.85            | 4.59            | 1        | 03/20/2020 00:08     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 16.9               |           | 0.315           | 4.59            | 1        | 03/20/2020 00:08     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 66.7               |           |                 | 18.0-148        |          | 03/20/2020 00:08     | <a href="#">WG1446556</a> |

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

Collected date/time: 03/06/20 11:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.4   |           | 1        | 03/19/2020 01:27     | <a href="#">WG1445647</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 40.3         |           | 0.816     | 10.3      | 1        | 03/18/2020 00:15     | <a href="#">WG1445291</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       | 0.0408       | <a href="#">B J</a> | 0.0223    | 0.103     | 1        | 03/17/2020 07:14     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9         |                     |           | 77.0-120  |          | 03/17/2020 07:14     | <a href="#">WG1445120</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000411  | 0.00103   | 1        | 03/17/2020 17:16     | <a href="#">WG1445259</a> |
| Toluene                   | U            |           | 0.00128   | 0.00514   | 1        | 03/17/2020 17:16     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U            |           | 0.000544  | 0.00257   | 1        | 03/17/2020 17:16     | <a href="#">WG1445259</a> |
| Total Xylenes             | U            |           | 0.00491   | 0.00668   | 1        | 03/17/2020 17:16     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 106          |           |           | 75.0-131  |          | 03/17/2020 17:16     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 96.7         |           |           | 67.0-138  |          | 03/17/2020 17:16     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 102          |           |           | 70.0-130  |          | 03/17/2020 17:16     | <a href="#">WG1445259</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 | 2.19         | <a href="#">J</a> | 1.65      | 4.11      | 1        | 03/19/2020 23:05     | <a href="#">WG1446556</a> |
| C28-C40 Oil Range    | 7.68         |                   | 0.281     | 4.11      | 1        | 03/19/2020 23:05     | <a href="#">WG1446556</a> |
| (S) o-Terphenyl      | 66.0         |                   |           | 18.0-148  |          | 03/19/2020 23:05     | <a href="#">WG1446556</a> |

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

Collected date/time: 03/06/20 11:30

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 95.2   |           | 1        | 03/19/2020 01:04 | <a href="#">WG1445648</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 | 174          |           | 4.18      | 52.5      | 5        | 03/18/2020 00:24 | <a href="#">WG1445291</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               | 0.0377       | <a href="#">B J</a> | 0.0228    | 0.105     | 1        | 03/17/2020 07:35 | <a href="#">WG1445120</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 96.9         |                     |           | 77.0-120  |          | 03/17/2020 07:35 | <a href="#">WG1445120</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            |           | 0.000420  | 0.00105   | 1        | 03/17/2020 17:35 | <a href="#">WG1445259</a> |
| Toluene                          | U            |           | 0.00131   | 0.00525   | 1        | 03/17/2020 17:35 | <a href="#">WG1445259</a> |
| Ethylbenzene                     | U            |           | 0.000556  | 0.00262   | 1        | 03/17/2020 17:35 | <a href="#">WG1445259</a> |
| Total Xylenes                    | U            |           | 0.00502   | 0.00682   | 1        | 03/17/2020 17:35 | <a href="#">WG1445259</a> |
| (S) <i>Toluene-d8</i>            | 104          |           |           | 75.0-131  |          | 03/17/2020 17:35 | <a href="#">WG1445259</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 100          |           |           | 67.0-138  |          | 03/17/2020 17:35 | <a href="#">WG1445259</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 99.3         |           |           | 70.0-130  |          | 03/17/2020 17:35 | <a href="#">WG1445259</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            |                   | 1.69      | 4.20      | 1        | 03/20/2020 07:32 | <a href="#">WG1446556</a> |
| C28-C40 Oil Range       | 3.30         | <a href="#">J</a> | 0.288     | 4.20      | 1        | 03/20/2020 07:32 | <a href="#">WG1446556</a> |
| (S) <i>o</i> -Terphenyl | 60.6         |                   |           | 18.0-148  |          | 03/20/2020 07:32 | <a href="#">WG1446556</a> |

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



Collected date/time: 03/06/20 11:50

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 87.1   |           | 1        | 03/19/2020 01:04 | <a href="#">WG1445648</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 | 1080         |           | 4.57      | 57.4      | 5        | 03/18/2020 00:34 | <a href="#">WG1445291</a> |

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

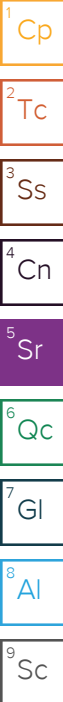
| Analyte                                 | Result (dry) | Qualifier           | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|-----------------------------------------|--------------|---------------------|-----------|-----------|----------|------------------|---------------------------|
|                                         | mg/kg        |                     | mg/kg     | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction               | 0.0556       | <a href="#">B J</a> | 0.0249    | 0.115     | 1        | 03/17/2020 18:34 | <a href="#">WG1445660</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 95.1         |                     |           | 77.0-120  |          | 03/17/2020 18:34 | <a href="#">WG1445660</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            |           | 0.000459  | 0.00115   | 1        | 03/17/2020 17:54 | <a href="#">WG1445259</a> |
| Toluene                          | U            |           | 0.00144   | 0.00574   | 1        | 03/17/2020 17:54 | <a href="#">WG1445259</a> |
| Ethylbenzene                     | U            |           | 0.000609  | 0.00287   | 1        | 03/17/2020 17:54 | <a href="#">WG1445259</a> |
| Total Xylenes                    | U            |           | 0.00549   | 0.00746   | 1        | 03/17/2020 17:54 | <a href="#">WG1445259</a> |
| (S) <i>Toluene-d8</i>            | 104          |           |           | 75.0-131  |          | 03/17/2020 17:54 | <a href="#">WG1445259</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 96.8         |           |           | 67.0-138  |          | 03/17/2020 17:54 | <a href="#">WG1445259</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 98.9         |           |           | 70.0-130  |          | 03/17/2020 17:54 | <a href="#">WG1445259</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    | 324          |                    | 37.0      | 91.9      | 20       | 03/20/2020 02:28 | <a href="#">WG1446556</a> |
| C28-C40 Oil Range       | 633          |                    | 6.29      | 91.9      | 20       | 03/20/2020 02:28 | <a href="#">WG1446556</a> |
| (S) <i>o</i> -Terphenyl | 67.4         | <a href="#">J7</a> |           | 18.0-148  |          | 03/20/2020 02:28 | <a href="#">WG1446556</a> |



Collected date/time: 03/06/20 12:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.8   |           | 1        | 03/19/2020 01:04     | <a href="#">WG1445648</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 | 1580               |           | 4.43            | 55.7            | 5        | 03/18/2020 00:53     | <a href="#">WG1445291</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       | 0.0442             | <a href="#">B J</a> | 0.0242          | 0.111           | 1        | 03/17/2020 08:16     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 93.0               |                     |                 | 77.0-120        |          | 03/17/2020 08:16     | <a href="#">WG1445120</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                  |           | 0.000445        | 0.00111         | 1        | 03/17/2020 18:13     | <a href="#">WG1445259</a> |
| Toluene                   | U                  |           | 0.00139         | 0.00557         | 1        | 03/17/2020 18:13     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U                  |           | 0.000590        | 0.00278         | 1        | 03/17/2020 18:13     | <a href="#">WG1445259</a> |
| Total Xylenes             | U                  |           | 0.00532         | 0.00724         | 1        | 03/17/2020 18:13     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 104                |           |                 | 75.0-131        |          | 03/17/2020 18:13     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 99.3               |           |                 | 67.0-138        |          | 03/17/2020 18:13     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 99.1               |           |                 | 70.0-130        |          | 03/17/2020 18:13     | <a href="#">WG1445259</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 | 416                |                    | 35.9            | 89.1            | 20       | 03/21/2020 04:09     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 725                |                    | 6.10            | 89.1            | 20       | 03/21/2020 04:09     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 60.3               | <a href="#">J7</a> |                 | 18.0-148        |          | 03/21/2020 04:09     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 12:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.0   |           | 1        | 03/19/2020 01:04     | <a href="#">WG1445648</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 | 1360               |           | 4.28            | 53.8            | 5        | 03/18/2020 01:02     | <a href="#">WG1445291</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       | 0.0372             | <a href="#">B J</a> | 0.0233          | 0.108           | 1        | 03/17/2020 18:54     | <a href="#">WG1445660</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.3               |                     |                 | 77.0-120        |          | 03/17/2020 18:54     | <a href="#">WG1445660</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                  |           | 0.000430        | 0.00108         | 1        | 03/17/2020 18:32     | <a href="#">WG1445259</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00538         | 1        | 03/17/2020 18:32     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U                  |           | 0.000570        | 0.00269         | 1        | 03/17/2020 18:32     | <a href="#">WG1445259</a> |
| Total Xylenes             | U                  |           | 0.00514         | 0.00699         | 1        | 03/17/2020 18:32     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 107                |           |                 | 75.0-131        |          | 03/17/2020 18:32     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 102                |           |                 | 67.0-138        |          | 03/17/2020 18:32     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 99.3               |           |                 | 70.0-130        |          | 03/17/2020 18:32     | <a href="#">WG1445259</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 | 6.49               |           | 1.73            | 4.30            | 1        | 03/21/2020 13:28     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 7.75               |           | 0.295           | 4.30            | 1        | 03/21/2020 13:28     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 55.6               |           |                 | 18.0-148        |          | 03/21/2020 13:28     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 12:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 91.7   |           | 1        | 03/19/2020 01:04 | <a href="#">WG1445648</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 | 1320         |           | 4.34      | 54.5      | 5        | 03/18/2020 01:12 | <a href="#">WG1445291</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               | 0.0379       | <a href="#">B J</a> | 0.0237    | 0.109     | 1        | 03/17/2020 08:57 | <a href="#">WG1445120</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 96.8         |                     |           | 77.0-120  |          | 03/17/2020 08:57 | <a href="#">WG1445120</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            |           | 0.000436  | 0.00109   | 1        | 03/17/2020 18:51 | <a href="#">WG1445259</a> |
| Toluene                          | U            |           | 0.00136   | 0.00545   | 1        | 03/17/2020 18:51 | <a href="#">WG1445259</a> |
| Ethylbenzene                     | U            |           | 0.000578  | 0.00273   | 1        | 03/17/2020 18:51 | <a href="#">WG1445259</a> |
| Total Xylenes                    | U            |           | 0.00521   | 0.00709   | 1        | 03/17/2020 18:51 | <a href="#">WG1445259</a> |
| (S) <i>Toluene-d8</i>            | 105          |           |           | 75.0-131  |          | 03/17/2020 18:51 | <a href="#">WG1445259</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 98.1         |           |           | 67.0-138  |          | 03/17/2020 18:51 | <a href="#">WG1445259</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 98.2         |           |           | 70.0-130  |          | 03/17/2020 18:51 | <a href="#">WG1445259</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    | 24.2         |           | 1.76      | 4.36      | 1        | 03/21/2020 02:54 | <a href="#">WG1447675</a> |
| C28-C40 Oil Range       | 44.4         |           | 0.299     | 4.36      | 1        | 03/21/2020 02:54 | <a href="#">WG1447675</a> |
| (S) <i>o</i> -Terphenyl | 55.3         |           |           | 18.0-148  |          | 03/21/2020 02:54 | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 13:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.7   |           | 1        | 03/19/2020 01:04     | <a href="#">WG1445648</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 | 381                |           | 0.840           | 10.6            | 1        | 03/18/2020 01:40     | <a href="#">WG1445291</a> |

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

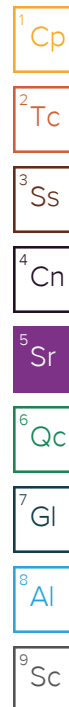
| Analyte                         | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0440             | <a href="#">B J</a> | 0.0229          | 0.106           | 1        | 03/17/2020 09:17     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.6               |                     |                 | 77.0-120        |          | 03/17/2020 09:17     | <a href="#">WG1445120</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                  |           | 0.000423        | 0.00106         | 1        | 03/17/2020 19:10     | <a href="#">WG1445259</a> |
| Toluene                   | U                  |           | 0.00132         | 0.00528         | 1        | 03/17/2020 19:10     | <a href="#">WG1445259</a> |
| Ethylbenzene              | U                  |           | 0.000560        | 0.00264         | 1        | 03/17/2020 19:10     | <a href="#">WG1445259</a> |
| Total Xylenes             | U                  |           | 0.00505         | 0.00687         | 1        | 03/17/2020 19:10     | <a href="#">WG1445259</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 03/17/2020 19:10     | <a href="#">WG1445259</a> |
| (S) 4-Bromofluorobenzene  | 101                |           |                 | 67.0-138        |          | 03/17/2020 19:10     | <a href="#">WG1445259</a> |
| (S) 1,2-Dichloroethane-d4 | 98.6               |           |                 | 70.0-130        |          | 03/17/2020 19:10     | <a href="#">WG1445259</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 | 10.3               |           | 1.70            | 4.23            | 1        | 03/21/2020 03:07     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 30.8               |           | 0.289           | 4.23            | 1        | 03/21/2020 03:07     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 71.3               |           |                 | 18.0-148        |          | 03/21/2020 03:07     | <a href="#">WG1447675</a> |



Collected date/time: 03/06/20 13:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.4   |           | 1        | 03/19/2020 01:04     | <a href="#">WG1445648</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 | 71.0               |           | 0.889           | 11.2            | 1        | 03/18/2020 02:09     | <a href="#">WG1445291</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       | 0.0439             | <a href="#">B J</a> | 0.0243          | 0.112           | 1        | 03/17/2020 09:38     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.0               |                     |                 | 77.0-120        |          | 03/17/2020 09:38     | <a href="#">WG1445120</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                  |           | 0.000447        | 0.00112         | 1        | 03/18/2020 08:16     | <a href="#">WG1445267</a> |
| Toluene                   | U                  |           | 0.00140         | 0.00559         | 1        | 03/18/2020 08:16     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U                  |           | 0.000593        | 0.00280         | 1        | 03/18/2020 08:16     | <a href="#">WG1445267</a> |
| Total Xylenes             | U                  |           | 0.00534         | 0.00727         | 1        | 03/18/2020 08:16     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 106                |           |                 | 75.0-131        |          | 03/18/2020 08:16     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 106                |           |                 | 67.0-138        |          | 03/18/2020 08:16     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 103                |           |                 | 70.0-130        |          | 03/18/2020 08:16     | <a href="#">WG1445267</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               |           | 1.80            | 4.47            | 1        | 03/21/2020 02:41     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 31.3               |           | 0.306           | 4.47            | 1        | 03/21/2020 02:41     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 58.7               |           |                 | 18.0-148        |          | 03/21/2020 02:41     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 11:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.2   |           | 1        | 03/19/2020 01:04     | <a href="#">WG1445648</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 | 158                |           | 0.891           | 11.2            | 1        | 03/18/2020 02:18     | <a href="#">WG1445291</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       | 0.0381             | <a href="#">B J</a> | 0.0243          | 0.112           | 1        | 03/17/2020 09:58     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 92.0               |                     |                 | 77.0-120        |          | 03/17/2020 09:58     | <a href="#">WG1445120</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                  |           | 0.000448        | 0.00112         | 1        | 03/18/2020 08:37     | <a href="#">WG1445267</a> |
| Toluene                   | U                  |           | 0.00140         | 0.00561         | 1        | 03/18/2020 08:37     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U                  |           | 0.000594        | 0.00280         | 1        | 03/18/2020 08:37     | <a href="#">WG1445267</a> |
| Total Xylenes             | U                  |           | 0.00536         | 0.00729         | 1        | 03/18/2020 08:37     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 03/18/2020 08:37     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 93.1               |           |                 | 67.0-138        |          | 03/18/2020 08:37     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 114                |           |                 | 70.0-130        |          | 03/18/2020 08:37     | <a href="#">WG1445267</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 | 726                |                    | 36.1            | 89.7            | 20       | 03/21/2020 03:57     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 1260               |                    | 6.14            | 89.7            | 20       | 03/21/2020 03:57     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 82.1               | <a href="#">J7</a> |                 | 18.0-148        |          | 03/21/2020 03:57     | <a href="#">WG1447675</a> |

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



Collected date/time: 03/06/20 11:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 89.4   |           | 1        | 03/19/2020 01:04     | <a href="#">WG1445648</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 40.3         |           | 0.889     | 11.2      | 1        | 03/18/2020 02:28     | <a href="#">WG1445291</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       | 0.0422       | <a href="#">B J</a> | 0.0243    | 0.112     | 1        | 03/17/2020 10:18     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9         |                     |           | 77.0-120  |          | 03/17/2020 10:18     | <a href="#">WG1445120</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000447  | 0.00112   | 1        | 03/18/2020 08:58     | <a href="#">WG1445267</a> |
| Toluene                   | U            |           | 0.00140   | 0.00559   | 1        | 03/18/2020 08:58     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U            |           | 0.000593  | 0.00280   | 1        | 03/18/2020 08:58     | <a href="#">WG1445267</a> |
| Total Xylenes             | U            |           | 0.00535   | 0.00727   | 1        | 03/18/2020 08:58     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 03/18/2020 08:58     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 92.9         |           |           | 67.0-138  |          | 03/18/2020 08:58     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 113          |           |           | 70.0-130  |          | 03/18/2020 08:58     | <a href="#">WG1445267</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 | 2.08         | <a href="#">J</a> | 1.80      | 4.47      | 1        | 03/21/2020 13:02     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 2.72         | <a href="#">J</a> | 0.306     | 4.47      | 1        | 03/21/2020 13:02     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 48.9         |                   |           | 18.0-148  |          | 03/21/2020 13:02     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 11:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.0   |           | 1        | 03/19/2020 01:04     | <a href="#">WG1445648</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 | 69.4               |           | 0.811           | 10.2            | 1        | 03/18/2020 02:37     | <a href="#">WG1445291</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       | 0.189              | <u>B</u>  | 0.0221          | 0.102           | 1        | 03/17/2020 10:39     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.3               |           |                 | 77.0-120        |          | 03/17/2020 10:39     | <a href="#">WG1445120</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                  |           | 0.000408        | 0.00102         | 1        | 03/18/2020 09:18     | <a href="#">WG1445267</a> |
| Toluene                   | U                  |           | 0.00128         | 0.00510         | 1        | 03/18/2020 09:18     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U                  |           | 0.000541        | 0.00255         | 1        | 03/18/2020 09:18     | <a href="#">WG1445267</a> |
| Total Xylenes             | U                  |           | 0.00488         | 0.00663         | 1        | 03/18/2020 09:18     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 108                |           |                 | 75.0-131        |          | 03/18/2020 09:18     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 94.4               |           |                 | 67.0-138        |          | 03/18/2020 09:18     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 97.8               |           |                 | 70.0-130        |          | 03/18/2020 09:18     | <a href="#">WG1445267</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        | 03/21/2020 00:48     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 5.53               |           | 0.280           | 4.08            | 1        | 03/21/2020 00:48     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 61.1               |           |                 | 18.0-148        |          | 03/21/2020 00:48     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 11:30

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.7   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</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 | 248                |           | 0.822           | 10.3            | 1        | 03/18/2020 02:47     | <a href="#">WG1445291</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> | 0.0224          | 0.103           | 1        | 03/17/2020 10:59     | <a href="#">WG1445120</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9               |                     |                 | 77.0-120        |          | 03/17/2020 10:59     | <a href="#">WG1445120</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                  |           | 0.000414        | 0.00103         | 1        | 03/18/2020 09:39     | <a href="#">WG1445267</a> |
| Toluene                   | U                  |           | 0.00129         | 0.00517         | 1        | 03/18/2020 09:39     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U                  |           | 0.000548        | 0.00259         | 1        | 03/18/2020 09:39     | <a href="#">WG1445267</a> |
| Total Xylenes             | U                  |           | 0.00494         | 0.00672         | 1        | 03/18/2020 09:39     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 107                |           |                 | 75.0-131        |          | 03/18/2020 09:39     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 94.9               |           |                 | 67.0-138        |          | 03/18/2020 09:39     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 103                |           |                 | 70.0-130        |          | 03/18/2020 09:39     | <a href="#">WG1445267</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            | 4.14            | 1        | 03/21/2020 13:15     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 2.71               | <a href="#">J</a> | 0.283           | 4.14            | 1        | 03/21/2020 13:15     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 63.0               |                   |                 | 18.0-148        |          | 03/21/2020 13:15     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 11:50

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.1   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 4360         |           | 17.1      | 215       | 20       | 03/18/2020 02:57     | <a href="#">WG1445291</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       | 0.0496       | <a href="#">B J</a> | 0.0233    | 0.107     | 1        | 03/17/2020 19:15     | <a href="#">WG1445660</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.7         |                     |           | 77.0-120  |          | 03/17/2020 19:15     | <a href="#">WG1445660</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000429  | 0.00107   | 1        | 03/18/2020 10:00     | <a href="#">WG1445267</a> |
| Toluene                   | U            |           | 0.00134   | 0.00537   | 1        | 03/18/2020 10:00     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U            |           | 0.000569  | 0.00268   | 1        | 03/18/2020 10:00     | <a href="#">WG1445267</a> |
| Total Xylenes             | U            |           | 0.00513   | 0.00698   | 1        | 03/18/2020 10:00     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 107          |           |           | 75.0-131  |          | 03/18/2020 10:00     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 92.8         |           |           | 67.0-138  |          | 03/18/2020 10:00     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 101          |           |           | 70.0-130  |          | 03/18/2020 10:00     | <a href="#">WG1445267</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 | 176          |                    | 34.6      | 85.9      | 20       | 03/21/2020 03:32     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 390          |                    | 5.88      | 85.9      | 20       | 03/21/2020 03:32     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 77.6         | <a href="#">J7</a> |           | 18.0-148  |          | 03/21/2020 03:32     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 12:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.4   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</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 | 3800               |           | 17.0            | 214             | 20       | 03/18/2020 03:06     | <a href="#">WG1445291</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       | 0.0451             | <a href="#">B J</a> | 0.0232          | 0.107           | 1        | 03/17/2020 19:35     | <a href="#">WG1445660</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 93.4               |                     |                 | 77.0-120        |          | 03/17/2020 19:35     | <a href="#">WG1445660</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                  |           | 0.000428        | 0.00107         | 1        | 03/18/2020 10:21     | <a href="#">WG1445267</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00535         | 1        | 03/18/2020 10:21     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U                  |           | 0.000567        | 0.00268         | 1        | 03/18/2020 10:21     | <a href="#">WG1445267</a> |
| Total Xylenes             | U                  |           | 0.00512         | 0.00696         | 1        | 03/18/2020 10:21     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 107                |           |                 | 75.0-131        |          | 03/18/2020 10:21     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 95.2               |           |                 | 67.0-138        |          | 03/18/2020 10:21     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 100                |           |                 | 70.0-130        |          | 03/18/2020 10:21     | <a href="#">WG1445267</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 | 80.3               |           | 17.2            | 42.8            | 10       | 03/21/2020 03:44     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 172                |           | 2.93            | 42.8            | 10       | 03/21/2020 03:44     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 35.5               |           |                 | 18.0-148        |          | 03/21/2020 03:44     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 12:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.3   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 6720         |           | 17.0      | 214       | 20       | 03/18/2020 03:35     | <a href="#">WG1445291</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               | 0.0327       | <a href="#">B J</a> | 0.0233    | 0.107     | 1        | 03/20/2020 16:07     | <a href="#">WG1447538</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 98.6         |                     |           | 77.0-120  |          | 03/20/2020 16:07     | <a href="#">WG1447538</a> |

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

| Analyte                          | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                          | U            |           | 0.000429  | 0.00107   | 1        | 03/18/2020 10:41     | <a href="#">WG1445267</a> |
| Toluene                          | U            |           | 0.00134   | 0.00536   | 1        | 03/18/2020 10:41     | <a href="#">WG1445267</a> |
| Ethylbenzene                     | U            |           | 0.000568  | 0.00268   | 1        | 03/18/2020 10:41     | <a href="#">WG1445267</a> |
| Total Xylenes                    | U            |           | 0.00512   | 0.00697   | 1        | 03/18/2020 10:41     | <a href="#">WG1445267</a> |
| (S) <i>Toluene-d8</i>            | 107          |           |           | 75.0-131  |          | 03/18/2020 10:41     | <a href="#">WG1445267</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 93.4         |           |           | 67.0-138  |          | 03/18/2020 10:41     | <a href="#">WG1445267</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 101          |           |           | 70.0-130  |          | 03/18/2020 10:41     | <a href="#">WG1445267</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    | 7.34         |           | 1.73      | 4.29      | 1        | 03/21/2020 01:00     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range       | 13.7         |           | 0.294     | 4.29      | 1        | 03/21/2020 01:00     | <a href="#">WG1447675</a> |
| (S) <i>o</i> -Terphenyl | 53.5         |           |           | 18.0-148  |          | 03/21/2020 01:00     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 12:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.2   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 4830         |           | 16.9      | 212       | 20       | 03/18/2020 03:44     | <a href="#">WG1445291</a> |

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

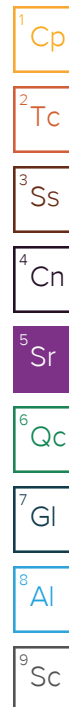
| Analyte                         | Result (dry) | Qualifier           | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0665       | <a href="#">B J</a> | 0.0230    | 0.106     | 1        | 03/17/2020 07:31     | <a href="#">WG1445128</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |                     |           | 77.0-120  |          | 03/17/2020 07:31     | <a href="#">WG1445128</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000424  | 0.00106   | 1        | 03/18/2020 11:02     | <a href="#">WG1445267</a> |
| Toluene                   | U            |           | 0.00133   | 0.00531   | 1        | 03/18/2020 11:02     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U            |           | 0.000562  | 0.00265   | 1        | 03/18/2020 11:02     | <a href="#">WG1445267</a> |
| Total Xylenes             | U            |           | 0.00507   | 0.00690   | 1        | 03/18/2020 11:02     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 03/18/2020 11:02     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 91.9         |           |           | 67.0-138  |          | 03/18/2020 11:02     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 103          |           |           | 70.0-130  |          | 03/18/2020 11:02     | <a href="#">WG1445267</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 | 6.42         |           | 1.71      | 4.24      | 1        | 03/21/2020 01:13     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 12.8         |           | 0.291     | 4.24      | 1        | 03/21/2020 01:13     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 61.2         |           |           | 18.0-148  |          | 03/21/2020 01:13     | <a href="#">WG1447675</a> |





Collected date/time: 03/06/20 13:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.4   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 295          |           | 0.842     | 10.6      | 1        | 03/18/2020 03:54     | <a href="#">WG1445291</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       | 0.0606       | <a href="#">B J</a> | 0.0230    | 0.106     | 1        | 03/17/2020 07:53     | <a href="#">WG1445128</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.0         |                     |           | 77.0-120  |          | 03/17/2020 07:53     | <a href="#">WG1445128</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000424  | 0.00106   | 1        | 03/18/2020 11:23     | <a href="#">WG1445267</a> |
| Toluene                   | U            |           | 0.00132   | 0.00530   | 1        | 03/18/2020 11:23     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U            |           | 0.000561  | 0.00265   | 1        | 03/18/2020 11:23     | <a href="#">WG1445267</a> |
| Total Xylenes             | U            |           | 0.00506   | 0.00689   | 1        | 03/18/2020 11:23     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 91.5         |           |           | 75.0-131  |          | 03/18/2020 11:23     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 95.3         |           |           | 67.0-138  |          | 03/18/2020 11:23     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 116          |           |           | 70.0-130  |          | 03/18/2020 11:23     | <a href="#">WG1445267</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 | 949          |                    | 85.3      | 212       | 50       | 03/21/2020 03:19     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 1920         |                    | 14.5      | 212       | 50       | 03/21/2020 03:19     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 77.8         | <a href="#">J7</a> |           | 18.0-148  |          | 03/21/2020 03:19     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/06/20 13:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.4   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 302          |           | 0.825     | 10.4      | 1        | 03/18/2020 04:03     | <a href="#">WG1445291</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       | 0.0505       | <a href="#">B J</a> | 0.0225    | 0.104     | 1        | 03/17/2020 08:25     | <a href="#">WG1445128</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |                     |           | 77.0-120  |          | 03/17/2020 08:25     | <a href="#">WG1445128</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000415  | 0.00104   | 1        | 03/18/2020 11:43     | <a href="#">WG1445267</a> |
| Toluene                   | U            |           | 0.00130   | 0.00519   | 1        | 03/18/2020 11:43     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U            |           | 0.000550  | 0.00259   | 1        | 03/18/2020 11:43     | <a href="#">WG1445267</a> |
| Total Xylenes             | U            |           | 0.00496   | 0.00675   | 1        | 03/18/2020 11:43     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 89.9         |           |           | 75.0-131  |          | 03/18/2020 11:43     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 89.3         |           |           | 67.0-138  |          | 03/18/2020 11:43     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 110          |           |           | 70.0-130  |          | 03/18/2020 11:43     | <a href="#">WG1445267</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 | 1.94         | <a href="#">J</a> | 1.67      | 4.15      | 1        | 03/21/2020 01:26     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 7.12         |                   | 0.284     | 4.15      | 1        | 03/21/2020 01:26     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 69.6         |                   |           | 18.0-148  |          | 03/21/2020 01:26     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/09/20 11:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.9   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier           | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|---------------------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 2.92         | <a href="#">B J</a> | 0.804     | 10.1      | 1        | 03/18/2020 00:58     | <a href="#">WG1445292</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               | 0.0670       | <a href="#">B J</a> | 0.0219    | 0.101     | 1        | 03/17/2020 09:13     | <a href="#">WG1445128</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 102          |                     |           | 77.0-120  |          | 03/17/2020 09:13     | <a href="#">WG1445128</a> |

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

| Analyte                          | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                          | U            |           | 0.000405  | 0.00101   | 1        | 03/18/2020 12:04     | <a href="#">WG1445267</a> |
| Toluene                          | U            |           | 0.00126   | 0.00506   | 1        | 03/18/2020 12:04     | <a href="#">WG1445267</a> |
| Ethylbenzene                     | U            |           | 0.000536  | 0.00253   | 1        | 03/18/2020 12:04     | <a href="#">WG1445267</a> |
| Total Xylenes                    | U            |           | 0.00483   | 0.00657   | 1        | 03/18/2020 12:04     | <a href="#">WG1445267</a> |
| (S) <i>Toluene-d8</i>            | 101          |           |           | 75.0-131  |          | 03/18/2020 12:04     | <a href="#">WG1445267</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 92.1         |           |           | 67.0-138  |          | 03/18/2020 12:04     | <a href="#">WG1445267</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 98.6         |           |           | 70.0-130  |          | 03/18/2020 12:04     | <a href="#">WG1445267</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            |           | 1.63      | 4.05      | 1        | 03/21/2020 01:38     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range       | 7.73         |           | 0.277     | 4.05      | 1        | 03/21/2020 01:38     | <a href="#">WG1447675</a> |
| (S) <i>o</i> -Terphenyl | 60.1         |           |           | 18.0-148  |          | 03/21/2020 01:38     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/09/20 11:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.6   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier           | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|---------------------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 3.32         | <a href="#">B J</a> | 0.823     | 10.3      | 1        | 03/18/2020 01:51     | <a href="#">WG1445292</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               | 0.0556       | <a href="#">B J</a> | 0.0225    | 0.103     | 1        | 03/17/2020 09:57     | <a href="#">WG1445128</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 101          |                     |           | 77.0-120  |          | 03/17/2020 09:57     | <a href="#">WG1445128</a> |

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

| Analyte                          | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                          | U            |           | 0.000414  | 0.00103   | 1        | 03/18/2020 12:24     | <a href="#">WG1445267</a> |
| Toluene                          | U            |           | 0.00129   | 0.00517   | 1        | 03/18/2020 12:24     | <a href="#">WG1445267</a> |
| Ethylbenzene                     | U            |           | 0.000549  | 0.00259   | 1        | 03/18/2020 12:24     | <a href="#">WG1445267</a> |
| Total Xylenes                    | U            |           | 0.00495   | 0.00673   | 1        | 03/18/2020 12:24     | <a href="#">WG1445267</a> |
| (S) <i>Toluene-d8</i>            | 124          |           |           | 75.0-131  |          | 03/18/2020 12:24     | <a href="#">WG1445267</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 94.6         |           |           | 67.0-138  |          | 03/18/2020 12:24     | <a href="#">WG1445267</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 115          |           |           | 70.0-130  |          | 03/18/2020 12:24     | <a href="#">WG1445267</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    | 3.79         | <a href="#">J</a> | 1.67      | 4.14      | 1        | 03/21/2020 02:29     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range       | 18.2         |                   | 0.284     | 4.14      | 1        | 03/21/2020 02:29     | <a href="#">WG1447675</a> |
| (S) <i>o</i> -Terphenyl | 72.1         |                   |           | 18.0-148  |          | 03/21/2020 02:29     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/09/20 11:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.6   |           | 1        | 03/19/2020 00:54     | <a href="#">WG1445649</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 | 2.67               | <a href="#">B J</a> | 0.806           | 10.1            | 1        | 03/18/2020 02:09     | <a href="#">WG1445292</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       | 0.0675             | <a href="#">B J</a> | 0.0220          | 0.101           | 1        | 03/17/2020 10:20     | <a href="#">WG1445128</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101                |                     |                 | 77.0-120        |          | 03/17/2020 10:20     | <a href="#">WG1445128</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                  |           | 0.000406        | 0.00101         | 1        | 03/18/2020 12:45     | <a href="#">WG1445267</a> |
| Toluene                   | U                  |           | 0.00127         | 0.00507         | 1        | 03/18/2020 12:45     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U                  |           | 0.000537        | 0.00253         | 1        | 03/18/2020 12:45     | <a href="#">WG1445267</a> |
| Total Xylenes             | U                  |           | 0.00485         | 0.00659         | 1        | 03/18/2020 12:45     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 03/18/2020 12:45     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 91.0               |           |                 | 67.0-138        |          | 03/18/2020 12:45     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 104                |           |                 | 70.0-130        |          | 03/18/2020 12:45     | <a href="#">WG1445267</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> | 1.63            | 4.06            | 1        | 03/21/2020 01:51     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 8.03               |                   | 0.278           | 4.06            | 1        | 03/21/2020 01:51     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 67.3               |                   |                 | 18.0-148        |          | 03/21/2020 01:51     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/09/20 11:30

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.0   |           | 1        | 03/19/2020 00:43     | <a href="#">WG1445651</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 | 3.96               | <a href="#">B J</a> | 0.828           | 10.4            | 1        | 03/18/2020 02:27     | <a href="#">WG1445292</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       | 0.0729             | <a href="#">B J</a> | 0.0226          | 0.104           | 1        | 03/17/2020 10:42     | <a href="#">WG1445128</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101                |                     |                 | 77.0-120        |          | 03/17/2020 10:42     | <a href="#">WG1445128</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                  |           | 0.000417        | 0.00104         | 1        | 03/18/2020 13:06     | <a href="#">WG1445267</a> |
| Toluene                   | U                  |           | 0.00130         | 0.00521         | 1        | 03/18/2020 13:06     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U                  |           | 0.000552        | 0.00261         | 1        | 03/18/2020 13:06     | <a href="#">WG1445267</a> |
| Total Xylenes             | U                  |           | 0.00498         | 0.00677         | 1        | 03/18/2020 13:06     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 03/18/2020 13:06     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 89.9               |           |                 | 67.0-138        |          | 03/18/2020 13:06     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 115                |           |                 | 70.0-130        |          | 03/18/2020 13:06     | <a href="#">WG1445267</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 | 2.15               | <a href="#">J</a> | 1.68            | 4.17            | 1        | 03/21/2020 02:03     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 8.49               |                   | 0.286           | 4.17            | 1        | 03/21/2020 02:03     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 71.7               |                   |                 | 18.0-148        |          | 03/21/2020 02:03     | <a href="#">WG1447675</a> |

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

Collected date/time: 03/09/20 11:50

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 91.9   |           | 1        | 03/19/2020 00:43     | <a href="#">WG1445651</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 | 838          |           | 4.33      | 54.4      | 5        | 03/18/2020 02:45     | <a href="#">WG1445292</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       | 0.0648       | <a href="#">B J</a> | 0.0236    | 0.109     | 1        | 03/17/2020 11:03     | <a href="#">WG1445128</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102          |                     |           | 77.0-120  |          | 03/17/2020 11:03     | <a href="#">WG1445128</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000435  | 0.00109   | 1        | 03/18/2020 13:26     | <a href="#">WG1445267</a> |
| Toluene                   | U            |           | 0.00136   | 0.00544   | 1        | 03/18/2020 13:26     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U            |           | 0.000577  | 0.00272   | 1        | 03/18/2020 13:26     | <a href="#">WG1445267</a> |
| Total Xylenes             | U            |           | 0.00520   | 0.00707   | 1        | 03/18/2020 13:26     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 103          |           |           | 75.0-131  |          | 03/18/2020 13:26     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 91.1         |           |           | 67.0-138  |          | 03/18/2020 13:26     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 114          |           |           | 70.0-130  |          | 03/18/2020 13:26     | <a href="#">WG1445267</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 | 20.4         |           | 1.75      | 4.35      | 1        | 03/21/2020 02:16     | <a href="#">WG1447675</a> |
| C28-C40 Oil Range    | 36.3         |           | 0.298     | 4.35      | 1        | 03/21/2020 02:16     | <a href="#">WG1447675</a> |
| (S) o-Terphenyl      | 50.5         |           |           | 18.0-148  |          | 03/21/2020 02:16     | <a href="#">WG1447675</a> |



Collected date/time: 03/09/20 12:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.6   |           | 1        | 03/19/2020 00:43     | <a href="#">WG1445651</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 | 432                |           | 0.832           | 10.5            | 1        | 03/18/2020 03:03     | <a href="#">WG1445292</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        | 03/17/2020 11:14     | <a href="#">WG1445199</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9               |           |                 | 77.0-120        |          | 03/17/2020 11:14     | <a href="#">WG1445199</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                  |           | 0.000419        | 0.00105         | 1        | 03/18/2020 13:47     | <a href="#">WG1445267</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00523         | 1        | 03/18/2020 13:47     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U                  |           | 0.000555        | 0.00262         | 1        | 03/18/2020 13:47     | <a href="#">WG1445267</a> |
| Total Xylenes             | U                  |           | 0.00500         | 0.00680         | 1        | 03/18/2020 13:47     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 03/18/2020 13:47     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 90.9               |           |                 | 67.0-138        |          | 03/18/2020 13:47     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 111                |           |                 | 70.0-130        |          | 03/18/2020 13:47     | <a href="#">WG1445267</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            | 4.19            | 1        | 03/20/2020 00:31     | <a href="#">WG1447038</a> |
| C28-C40 Oil Range    | 1.57               | J         | 0.287           | 4.19            | 1        | 03/20/2020 00:31     | <a href="#">WG1447038</a> |
| (S) o-Terphenyl      | 72.0               |           |                 | 18.0-148        |          | 03/20/2020 00:31     | <a href="#">WG1447038</a> |

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

Collected date/time: 03/09/20 13:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.5   |           | 1        | 03/19/2020 00:43     | <a href="#">WG1445651</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 2690         |           | 8.78      | 110       | 10       | 03/18/2020 03:57     | <a href="#">WG1445292</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            |           | 0.0240    | 0.110     | 1        | 03/17/2020 11:38     | <a href="#">WG1445199</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.9         |           |           | 77.0-120  |          | 03/17/2020 11:38     | <a href="#">WG1445199</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000442  | 0.00110   | 1        | 03/18/2020 14:07     | <a href="#">WG1445267</a> |
| Toluene                   | U            |           | 0.00138   | 0.00552   | 1        | 03/18/2020 14:07     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U            |           | 0.000585  | 0.00276   | 1        | 03/18/2020 14:07     | <a href="#">WG1445267</a> |
| Total Xylenes             | U            |           | 0.00528   | 0.00718   | 1        | 03/18/2020 14:07     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 03/18/2020 14:07     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 91.4         |           |           | 67.0-138  |          | 03/18/2020 14:07     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 113          |           |           | 70.0-130  |          | 03/18/2020 14:07     | <a href="#">WG1445267</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            |           | 1.78      | 4.42      | 1        | 03/20/2020 00:45     | <a href="#">WG1447038</a> |
| C28-C40 Oil Range    | 1.60         | J         | 0.303     | 4.42      | 1        | 03/20/2020 00:45     | <a href="#">WG1447038</a> |
| (S) o-Terphenyl      | 72.6         |           |           | 18.0-148  |          | 03/20/2020 00:45     | <a href="#">WG1447038</a> |

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

Collected date/time: 03/10/20 10:50

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.6   |           | 1        | 03/19/2020 00:43     | <a href="#">WG1445651</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 | 3030         |           | 8.50      | 107       | 10       | 03/18/2020 04:15     | <a href="#">WG1445292</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            |           | 0.0232    | 0.107     | 1        | 03/17/2020 12:14     | <a href="#">WG1445199</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.2         |           |           | 77.0-120  |          | 03/17/2020 12:14     | <a href="#">WG1445199</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000428  | 0.00107   | 1        | 03/18/2020 14:28     | <a href="#">WG1445267</a> |
| Toluene                   | U            |           | 0.00134   | 0.00534   | 1        | 03/18/2020 14:28     | <a href="#">WG1445267</a> |
| Ethylbenzene              | U            |           | 0.000567  | 0.00267   | 1        | 03/18/2020 14:28     | <a href="#">WG1445267</a> |
| Total Xylenes             | U            |           | 0.00511   | 0.00695   | 1        | 03/18/2020 14:28     | <a href="#">WG1445267</a> |
| (S) Toluene-d8            | 107          |           |           | 75.0-131  |          | 03/18/2020 14:28     | <a href="#">WG1445267</a> |
| (S) 4-Bromofluorobenzene  | 93.2         |           |           | 67.0-138  |          | 03/18/2020 14:28     | <a href="#">WG1445267</a> |
| (S) 1,2-Dichloroethane-d4 | 99.1         |           |           | 70.0-130  |          | 03/18/2020 14:28     | <a href="#">WG1445267</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 | 2.46         | J         | 1.72      | 4.28      | 1        | 03/20/2020 10:45     | <a href="#">WG1447038</a> |
| C28-C40 Oil Range    | 10.8         |           | 0.293     | 4.28      | 1        | 03/20/2020 10:45     | <a href="#">WG1447038</a> |
| (S) o-Terphenyl      | 77.0         |           |           | 18.0-148  |          | 03/20/2020 10:45     | <a href="#">WG1447038</a> |

Collected date/time: 03/10/20 11:00

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 93.2   |           | 1        | 03/19/2020 00:43 | <a href="#">WG1445651</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 | 42.6         |           | 0.853     | 10.7      | 1        | 03/18/2020 04:32 | <a href="#">WG1445292</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            |           | 0.0233    | 0.107     | 1        | 03/18/2020 17:19 | <a href="#">WG1446150</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 97.0         |           |           | 77.0-120  |          | 03/18/2020 17:19 | <a href="#">WG1446150</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="#">J3</a> | 0.000429  | 0.00107   | 1        | 03/18/2020 14:48 | <a href="#">WG1445267</a> |
| Toluene                          | U            | <a href="#">J3</a> | 0.00134   | 0.00537   | 1        | 03/18/2020 14:48 | <a href="#">WG1445267</a> |
| Ethylbenzene                     | U            | <a href="#">J3</a> | 0.000569  | 0.00268   | 1        | 03/18/2020 14:48 | <a href="#">WG1445267</a> |
| Total Xylenes                    | U            | <a href="#">J3</a> | 0.00513   | 0.00697   | 1        | 03/18/2020 14:48 | <a href="#">WG1445267</a> |
| (S) <i>Toluene-d8</i>            | 107          |                    |           | 75.0-131  |          | 03/18/2020 14:48 | <a href="#">WG1445267</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 93.1         |                    |           | 67.0-138  |          | 03/18/2020 14:48 | <a href="#">WG1445267</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 107          |                    |           | 70.0-130  |          | 03/18/2020 14:48 | <a href="#">WG1445267</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            |           | 1.73      | 4.29      | 1        | 03/20/2020 10:59 | <a href="#">WG1447038</a> |
| C28-C40 Oil Range       | 5.92         |           | 0.294     | 4.29      | 1        | 03/20/2020 10:59 | <a href="#">WG1447038</a> |
| (S) <i>o</i> -Terphenyl | 68.7         |           |           | 18.0-148  |          | 03/20/2020 10:59 | <a href="#">WG1447038</a> |

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

Collected date/time: 03/10/20 11:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.5   |           | 1        | 03/19/2020 00:43     | <a href="#">WG1445651</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 | 3.39               | <a href="#">B J</a> | 0.833           | 10.5            | 1        | 03/18/2020 05:26     | <a href="#">WG1445292</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        | 03/17/2020 13:02     | <a href="#">WG1445199</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.1               |           |                 | 77.0-120        |          | 03/17/2020 13:02     | <a href="#">WG1445199</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                  |           | 0.000419        | 0.00105         | 1        | 03/17/2020 17:30     | <a href="#">WG1445419</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00524         | 1        | 03/17/2020 17:30     | <a href="#">WG1445419</a> |
| Ethylbenzene              | U                  |           | 0.000555        | 0.00262         | 1        | 03/17/2020 17:30     | <a href="#">WG1445419</a> |
| Total Xylenes             | U                  |           | 0.00501         | 0.00681         | 1        | 03/17/2020 17:30     | <a href="#">WG1445419</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 03/17/2020 17:30     | <a href="#">WG1445419</a> |
| (S) 4-Bromofluorobenzene  | 100                |           |                 | 67.0-138        |          | 03/17/2020 17:30     | <a href="#">WG1445419</a> |
| (S) 1,2-Dichloroethane-d4 | 99.1               |           |                 | 70.0-130        |          | 03/17/2020 17:30     | <a href="#">WG1445419</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 | 8.83               |           | 1.69            | 4.19            | 1        | 03/20/2020 10:32     | <a href="#">WG1447038</a> |
| C28-C40 Oil Range    | 28.8               |           | 0.287           | 4.19            | 1        | 03/20/2020 10:32     | <a href="#">WG1447038</a> |
| (S) o-Terphenyl      | 73.9               |           |                 | 18.0-148        |          | 03/20/2020 10:32     | <a href="#">WG1447038</a> |

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

Collected date/time: 03/10/20 11:20

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 93.5   |           | 1        | 03/19/2020 00:43 | <a href="#">WG1445651</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 | 45.7         |           | 0.850     | 10.7      | 1        | 03/18/2020 05:44 | <a href="#">WG1445292</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            |           | 0.0232    | 0.107     | 1        | 03/17/2020 13:26 | <a href="#">WG1445199</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 100          |           |           | 77.0-120  |          | 03/17/2020 13:26 | <a href="#">WG1445199</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            |           | 0.000428  | 0.00107   | 1        | 03/17/2020 17:49 | <a href="#">WG1445419</a> |
| Toluene                   | U            |           | 0.00134   | 0.00535   | 1        | 03/17/2020 17:49 | <a href="#">WG1445419</a> |
| Ethylbenzene              | U            |           | 0.000567  | 0.00267   | 1        | 03/17/2020 17:49 | <a href="#">WG1445419</a> |
| Total Xylenes             | U            |           | 0.00511   | 0.00695   | 1        | 03/17/2020 17:49 | <a href="#">WG1445419</a> |
| (S) Toluene-d8            | 101          |           |           | 75.0-131  |          | 03/17/2020 17:49 | <a href="#">WG1445419</a> |
| (S) 4-Bromofluorobenzene  | 101          |           |           | 67.0-138  |          | 03/17/2020 17:49 | <a href="#">WG1445419</a> |
| (S) 1,2-Dichloroethane-d4 | 97.3         |           |           | 70.0-130  |          | 03/17/2020 17:49 | <a href="#">WG1445419</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 | 2.82         | J         | 1.72      | 4.28      | 1        | 03/20/2020 10:18 | <a href="#">WG1447038</a> |
| C28-C40 Oil Range    | 16.5         |           | 0.293     | 4.28      | 1        | 03/20/2020 10:18 | <a href="#">WG1447038</a> |
| (S) o-Terphenyl      | 76.7         |           |           | 18.0-148  |          | 03/20/2020 10:18 | <a href="#">WG1447038</a> |

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

Collected date/time: 03/10/20 11:30

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 82.9   |           | 1        | 03/19/2020 00:43     | <a href="#">WG1445651</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 225          |           | 4.80      | 60.3      | 5        | 03/18/2020 06:02     | <a href="#">WG1445292</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       | 0.177        |           | 0.0262    | 0.121     | 1        | 03/17/2020 13:50     | <a href="#">WG1445199</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           | 77.0-120  |          | 03/17/2020 13:50     | <a href="#">WG1445199</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  | 0.00121   | 1        | 03/17/2020 18:08     | <a href="#">WG1445419</a> |
| Toluene                   | U            |           | 0.00151   | 0.00603   | 1        | 03/17/2020 18:08     | <a href="#">WG1445419</a> |
| Ethylbenzene              | U            |           | 0.000640  | 0.00302   | 1        | 03/17/2020 18:08     | <a href="#">WG1445419</a> |
| Total Xylenes             | U            |           | 0.00577   | 0.00784   | 1        | 03/17/2020 18:08     | <a href="#">WG1445419</a> |
| (S) Toluene-d8            | 103          |           |           | 75.0-131  |          | 03/17/2020 18:08     | <a href="#">WG1445419</a> |
| (S) 4-Bromofluorobenzene  | 99.5         |           |           | 67.0-138  |          | 03/17/2020 18:08     | <a href="#">WG1445419</a> |
| (S) 1,2-Dichloroethane-d4 | 98.2         |           |           | 70.0-130  |          | 03/17/2020 18:08     | <a href="#">WG1445419</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 | 11.8         |           | 1.94      | 4.83      | 1        | 03/20/2020 00:58     | <a href="#">WG1447038</a> |
| C28-C40 Oil Range    | 14.2         |           | 0.331     | 4.83      | 1        | 03/20/2020 00:58     | <a href="#">WG1447038</a> |
| (S) o-Terphenyl      | 45.0         |           |           | 18.0-148  |          | 03/20/2020 00:58     | <a href="#">WG1447038</a> |

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



Collected date/time: 03/10/20 12:10

L1199114

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.1   |           | 1        | 03/19/2020 00:43     | <a href="#">WG1445651</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 | 545                |           | 0.836           | 10.5            | 1        | 03/18/2020 06:20     | <a href="#">WG1445292</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       | 0.0631             | <a href="#">B J</a> | 0.0228          | 0.105           | 1        | 03/17/2020 09:35     | <a href="#">WG1445128</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 103                |                     |                 | 77.0-120        |          | 03/17/2020 09:35     | <a href="#">WG1445128</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                  |           | 0.000420        | 0.00105         | 1        | 03/17/2020 18:27     | <a href="#">WG1445419</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00526         | 1        | 03/17/2020 18:27     | <a href="#">WG1445419</a> |
| Ethylbenzene              | U                  |           | 0.000557        | 0.00263         | 1        | 03/17/2020 18:27     | <a href="#">WG1445419</a> |
| Total Xylenes             | U                  |           | 0.00502         | 0.00683         | 1        | 03/17/2020 18:27     | <a href="#">WG1445419</a> |
| (S) Toluene-d8            | 102                |           |                 | 75.0-131        |          | 03/17/2020 18:27     | <a href="#">WG1445419</a> |
| (S) 4-Bromofluorobenzene  | 101                |           |                 | 67.0-138        |          | 03/17/2020 18:27     | <a href="#">WG1445419</a> |
| (S) 1,2-Dichloroethane-d4 | 97.9               |           |                 | 70.0-130        |          | 03/17/2020 18:27     | <a href="#">WG1445419</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                  |                   | 1.69            | 4.20            | 1        | 03/20/2020 09:52     | <a href="#">WG1447038</a> |
| C28-C40 Oil Range    | 0.557              | <a href="#">J</a> | 0.288           | 4.20            | 1        | 03/20/2020 09:52     | <a href="#">WG1447038</a> |
| (S) o-Terphenyl      | 79.6               |                   |                 | 18.0-148        |          | 03/20/2020 09:52     | <a href="#">WG1447038</a> |

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

Total Solids by Method 2540 G-2011 L1199114-01,02,03,04,05,06,07,08

Method Blank (MB)

(MB) R3510267-1 03/19/20 01:48

|              | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| Analyte      | %         |              | %      | %      |
| Total Solids | 0.000     |              |        |        |

L1199114-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-01 03/19/20 01:48 • (DUP) R3510267-3 03/19/20 01:48

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 95.9            | 96.0       | 1        | 0.114   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3510267-2 03/19/20 01:48

|              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Analyte      | %            | %          | %        | %           |               |
| 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

[L1199114-09,10,11,12,13,14,15,16,17,18](#)

Method Blank (MB)

(MB) R3510263-1 03/19/20 01:36

|              | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| Analyte      | %         |              | %      | %      |
| Total Solids | 0.000     |              |        |        |

L1199114-12 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-12 03/19/20 01:36 • (DUP) R3510263-3 03/19/20 01:36

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 94.6            | 94.5       | 1        | 0.0688  |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3510263-2 03/19/20 01:36

|              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Analyte      | %            | %          | %        | %           |               |
| Total Solids | 50.0         | 50.1       | 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

[L1199114-19,20,21,22,23,24,25,26,27](#)

Method Blank (MB)

(MB) R3510262-1 03/19/20 01:27

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

L1199114-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-20 03/19/20 01:27 • (DUP) R3510262-3 03/19/20 01:27

|              | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte      | %               | %          |          | %       |                      | %              |
| Total Solids | 92.2            | 92.5       | 1        | 0.225   |                      | 10             |

Laboratory Control Sample (LCS)

(LCS) R3510262-2 03/19/20 01:27

|              | 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

[L1199114-28,29,30,31,32,33,34,35,36,37](#)

Method Blank (MB)

(MB) R3510259-1 03/19/20 01:04

|              | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| Analyte      | %         |              | %      | %      |
| Total Solids | 0.000     |              |        |        |

L1199114-30 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-30 03/19/20 01:04 • (DUP) R3510259-3 03/19/20 01:04

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 89.8            | 89.7       | 1        | 0.144   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3510259-2 03/19/20 01:04

|              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| 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 L1199114-38,39,40,41,42,43,44,45,46,47

Method Blank (MB)

(MB) R3510249-1 03/19/20 00:54

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

L1199114-47 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-47 03/19/20 00:54 • (DUP) R3510249-3 03/19/20 00:54

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 98.6            | 98.6       | 1        | 0.00943 |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3510249-2 03/19/20 00:54

| 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

Total Solids by Method 2540 G-2011 L1199114-48,49,50,51,52,53,54,55,56,57

Method Blank (MB)

(MB) R3510245-1 03/19/20 00:43

| Analyte      | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
|              | %         |              | %      | %      |
| Total Solids | 0.0160    |              |        |        |

L1199114-49 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-49 03/19/20 00:43 • (DUP) R3510245-3 03/19/20 00:43

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 91.9            | 92.0       | 1        | 0.0850  |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3510245-2 03/19/20 00:43

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
|              | %            | %          | %        | %           |               |
| Total Solids | 50.0         | 49.8       | 99.7     | 85.0-115    |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Wet Chemistry by Method 300.0

[L1199114-01,02,03,04,05](#)

## Method Blank (MB)

(MB) R3510072-1 03/18/20 16:03

| Analyte  | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | 1.57               | <u>J</u>     | 0.795           | 10.0            |

## L1199114-05 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-05 03/18/20 20:48 • (DUP) R3510072-6 03/18/20 20:58

| 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 | 38.0                              | 39.9                         | 1        | 4.81         |               | 20                     |

## L1199095-34 Original Sample (OS) • Duplicate (DUP)

(OS) L1199095-34 03/18/20 21:08 • (DUP) R3510072-7 03/18/20 21:17

| Analyte  | Original Result<br>mg/kg | DUP Result<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Chloride | 12800                    | 13000               | 20       | 1.24         |               | 20                     |

## Laboratory Control Sample (LCS)

(LCS) R3510072-2 03/18/20 16:12

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 188                 | 94.0          | 90.0-110         |               |

## L1199095-46 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199095-46 03/18/20 18:54 • (MS) R3510072-4 03/18/20 19:04 • (MSD) R3510072-5 03/18/20 19:13

| 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>% |
|----------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 500                   | 11200                    | 12900              | 12900               | 328          | 335           | 1        | 80.0-120         | <u>E V</u>   | <u>E V</u>    | 0.270    | 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

L1199114-06,07,08,09,10,11,12,13,14,15,16,17,18,19,20,21,22,23,24,25

Method Blank (MB)

(MB) R3509981-1 03/18/20 10:14

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/kg     |              | mg/kg  | mg/kg  |
| Chloride | U         |              | 0.795  | 10.0   |

L1199114-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-06 03/18/20 10:55 • (DUP) R3509981-3 03/18/20 11:04

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 628                   | 672              | 1        | 6.75    |               | 20             |

L1199114-25 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-25 03/18/20 15:02 • (DUP) R3509981-6 03/18/20 15:12

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 3.69                  | 3.75             | 1        | 1.62    | J             | 20             |

Laboratory Control Sample (LCS)

(LCS) R3509981-2 03/18/20 10:24

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 185        | 92.7     | 90.0-110    |               |

L1199114-12 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199114-12 03/18/20 12:01 • (MS) R3509981-4 03/18/20 12:30 • (MSD) R3509981-5 03/18/20 12:39

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |              |               | %    | %          |
| Chloride | 529                | 209                   | 797             | 737              | 111     | 99.8     | 1        | 80.0-120    |              |               | 7.77 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 300.0

L1199114-26,27,28,29,30,31,32,33,34,35,36,37,38,39,40,41,42,43,44

Method Blank (MB)

(MB) R3509647-1 03/17/20 23:34

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/kg     |              | mg/kg  | mg/kg  |
| Chloride | 2.44      | ⬇            | 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

L1199114-29 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-29 03/18/20 00:34 • (DUP) R3509647-3 03/18/20 00:43

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 1080                  | 1080             | 5        | 0.547   |               | 20             |

L1199596-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1199596-01 03/18/20 04:13 • (DUP) R3509647-6 03/18/20 04:22

|          | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg           | mg/kg      |          | %       |               | %              |
| Chloride | 12.9            | 12.0       | 1        | 7.33    |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R3509647-2 03/17/20 23:44

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 192        | 96.2     | 90.0-110    |               |

L1199114-33 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199114-33 03/18/20 01:40 • (MS) R3509647-4 03/18/20 01:50 • (MSD) R3509647-5 03/18/20 01:59

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |              |               | %    | %          |
| Chloride | 528                | 381                   | 901             | 886              | 98.5    | 95.6     | 1        | 80.0-120    |              |               | 1.68 | 20         |

Wet Chemistry by Method 300.0

L1199114-45,46,47,48,49,50,51,52,53,54,55,56,57

Method Blank (MB)

(MB) R3509727-1 03/17/20 21:56

|          | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------|-----------|--------------|--------|--------|
| Analyte  | mg/kg     |              | mg/kg  | mg/kg  |
| Chloride | 2.37      | ⬇            | 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

L1198966-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1198966-01 03/17/20 23:46 • (DUP) R3509727-3 03/18/20 00:04

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 1.66                  | 0.000            | 1        | 200     | P1            | 20             |

L1199114-57 Original Sample (OS) • Duplicate (DUP)

(OS) L1199114-57 03/18/20 06:20 • (DUP) R3509727-6 03/18/20 06:38

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 545                   | 548              | 1        | 0.624   |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R3509727-2 03/17/20 22:14

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 205        | 103      | 90.0-110    |               |

L1199114-50 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199114-50 03/18/20 03:03 • (MS) R3509727-4 03/18/20 03:21 • (MSD) R3509727-5 03/18/20 03:39

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |              |               | %     | %          |
| Chloride | 523                | 432                   | 975             | 978              | 104     | 104      | 1        | 80.0-120    |              |               | 0.271 | 20         |

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

L1199114-01,03,05,06,08,09,11,13,14,15,17,18,19,20

Method Blank (MB)

(MB) R3509356-2 03/16/20 23:51

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0529             | ⬇            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 97.8               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3509356-1 03/16/20 23:09

| 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                  | 5.60                | 102           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 112           | 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

L1199114-21,22,23,24,26,27,28,30,32,33,34,35,36,37,38

Method Blank (MB)

(MB) R3509468-3 03/17/20 00:31

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0315             | ⬇            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 97.8               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3509468-2 03/16/20 23:50

| 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                  | 5.76                | 105           | 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

L1199114-42,43,44,45,46,47,48,49,57

Method Blank (MB)

(MB) R3510670-2 03/17/20 00:47

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0503             | ⬇            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 104                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3510670-1 03/17/20 00:02

| 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                  | 5.51                | 100           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 101           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO L1199114-50,51,52,54,55,56

Method Blank (MB)

(MB) R3509759-3 03/17/20 10:26

| 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) • Laboratory Control Sample Duplicate (LCSD)

(LCS) R3509759-1 03/17/20 08:20 • (LCSD) R3509759-2 03/17/20 09:39

| 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                  | 4.80                | 4.22                 | 87.3          | 76.7           | 72.0-127         |               |                | 12.9     | 20              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     |                      | 105           | 104            | 77.0-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



Volatile Organic Compounds (GC) by Method 8015D/GRO L1199114-02,04,07,10,12,16

Method Blank (MB)

(MB) R3509541-2 03/17/20 11:39

| 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) | 98.6               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3509541-1 03/17/20 10:58

| 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                  | 5.10                | 92.7          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 108           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1199114-25,29,31,39,40

Method Blank (MB)

(MB) R3510206-3 03/17/20 16:17

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0249             | ⬇            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 102                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3510206-1 03/17/20 15:15

| 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                  | 5.30                | 96.4          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 110           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1199114-53

Method Blank (MB)

(MB) R3511077-2 03/18/20 00:09

| 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) | 98.9               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3511077-1 03/17/20 22:54

| 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                  | 4.15                | 75.5          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 106           | 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

L1199114-41

Method Blank (MB)

(MB) R3510978-3 03/20/20 14:34

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0254             | ⬇            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 99.4               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3510978-2 03/20/20 13:53

| 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                  | 5.15                | 93.6          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 111           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1199114-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16,17,18,19,20

Method Blank (MB)

(MB) R3509307-3 03/16/20 23:31

| 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            | 100                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 112                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 127                |              |                 | 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) R3509307-1 03/16/20 21:16 • (LCSD) R3509307-2 03/16/20 22:30

| 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                 | 0.112               | 0.113                | 89.6          | 90.4           | 70.0-123         |               |                | 0.889    | 20              |
| Ethylbenzene              | 0.125                 | 0.108               | 0.102                | 86.4          | 81.6           | 74.0-126         |               |                | 5.71     | 20              |
| Toluene                   | 0.125                 | 0.100               | 0.0953               | 80.0          | 76.2           | 75.0-121         |               |                | 4.81     | 20              |
| Xylenes, Total            | 0.375                 | 0.289               | 0.278                | 77.1          | 74.1           | 72.0-127         |               |                | 3.88     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 99.3          | 94.1           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 114           | 104            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 126           | 129            | 70.0-130         |               |                |          |                 |

L1199114-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199114-20 03/17/20 06:56 • (MS) R3509307-4 03/17/20 07:16 • (MSD) R3509307-5 03/17/20 07:37

| 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                   | 0.136                          | U                                 | 0.113                    | 0.113                        | 83.2         | 83.2          | 1        | 10.0-149         |              |               | 0.000    | 37              |
| Ethylbenzene              | 0.136                          | U                                 | 0.127                    | 0.138                        | 93.6         | 102           | 1        | 10.0-160         |              |               | 8.20     | 38              |
| Toluene                   | 0.136                          | U                                 | 0.108                    | 0.116                        | 80.0         | 85.6          | 1        | 10.0-156         |              |               | 6.76     | 38              |
| Xylenes, Total            | 0.407                          | U                                 | 0.337                    | 0.357                        | 82.9         | 87.7          | 1        | 10.0-160         |              |               | 5.63     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 102          | 101           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 119          | 120           |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 117          | 116           |          | 70.0-130         |              |               |          |                 |

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

L1199114-21,22,23,24,25,26,27,28,29,30,31,32,33

Method Blank (MB)

(MB) R3509519-2 03/17/20 11:20

| 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            | 107                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 101                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 101                |              |                 | 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) R3509519-1 03/17/20 08:50

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.110               | 88.0          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.139               | 111           | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.115               | 92.0          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.423               | 113           | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 104           | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 103           | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 104           | 70.0-130         |               |

L1199073-16 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199073-16 03/17/20 13:47 • (MS) R3509519-3 03/17/20 19:29 • (MSD) R3509519-4 03/17/20 19:47

| 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                       | 0.0649             | 0.0396              | 51.9         | 31.7          | 1        | 10.0-149         |              | J3            | 48.4     | 37              |
| Ethylbenzene              | 0.125                 | ND                       | 0.0789             | 0.0451              | 63.1         | 36.1          | 1        | 10.0-160         |              | J3            | 54.5     | 38              |
| Toluene                   | 0.125                 | ND                       | 0.0678             | 0.0410              | 54.2         | 32.8          | 1        | 10.0-156         |              | J3            | 49.3     | 38              |
| Xylenes, Total            | 0.375                 | ND                       | 0.243              | 0.151               | 64.8         | 40.3          | 1        | 10.0-160         |              | J3            | 46.7     | 38              |
| (S) Toluene-d8            |                       |                          |                    |                     | 105          | 101           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                          |                    |                     | 97.9         | 106           |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                          |                    |                     | 103          | 108           |          | 70.0-130         |              |               |          |                 |

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

L1199114-34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49,50,51,52,53

Method Blank (MB)

(MB) R3510640-3 03/18/20 07:56

| 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            | 104                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 91.8               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 98.6               |              |                 | 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) R3510640-1 03/18/20 06:33 • (LCSD) R3510640-2 03/18/20 06:54

| 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                 | 0.122               | 0.119                | 97.6          | 95.2           | 70.0-123         |               |                | 2.49     | 20              |
| Ethylbenzene              | 0.125                 | 0.111               | 0.116                | 88.8          | 92.8           | 74.0-126         |               |                | 4.41     | 20              |
| Toluene                   | 0.125                 | 0.122               | 0.143                | 97.6          | 114            | 75.0-121         |               |                | 15.8     | 20              |
| Xylenes, Total            | 0.375                 | 0.323               | 0.338                | 86.1          | 90.1           | 72.0-127         |               |                | 4.54     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 101           | 124            | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 76.1          | 92.4           | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 120           | 122            | 70.0-130         |               |                |          |                 |

L1199114-53 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199114-53 03/18/20 14:48 • (MS) R3510640-4 03/18/20 15:08 • (MSD) R3510640-5 03/18/20 15:29

| 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                                 | 0.0913                   | 0.0378                       | 68.1         | 28.2          | 1        | 10.0-149         |              | J3            | 83.0     | 37              |
| Ethylbenzene              | 0.134                          | U                                 | 0.0880                   | 0.0349                       | 65.6         | 26.0          | 1        | 10.0-160         |              | J3            | 86.5     | 38              |
| Toluene                   | 0.134                          | U                                 | 0.0954                   | 0.0388                       | 71.1         | 29.0          | 1        | 10.0-156         |              | J3            | 84.3     | 38              |
| Xylenes, Total            | 0.402                          | U                                 | 0.269                    | 0.113                        | 66.9         | 28.0          | 1        | 10.0-160         |              | J3            | 82.0     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 106          | 103           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 92.9         | 94.9          |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 107          | 104           |          | 70.0-130         |              |               |          |                 |

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

L1199114-54,55,56,57

Method Blank (MB)

(MB) R3511093-2 03/17/20 17:11

| 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            | 103                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 102                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 97.4               |              |                 | 70.0-130        |

Laboratory Control Sample (LCS)

(LCS) R3511093-1 03/17/20 16:14

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.109               | 87.2          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.114               | 91.2          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.107               | 85.6          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.366               | 97.6          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 102           | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 101           | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 102           | 70.0-130         |               |

L1199114-57 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199114-57 03/17/20 18:27 • (MS) R3511093-3 03/17/20 23:48 • (MSD) R3511093-4 03/18/20 00:07

| 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>% |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.131                          | U                                 | 0.127                    | 0.121                        | 96.8         | 92.0          | 1        | 10.0-149         |              |               | 5.08     | 37              |
| Ethylbenzene              | 0.131                          | U                                 | 0.125                    | 0.119                        | 95.2         | 90.4          | 1        | 10.0-160         |              |               | 5.17     | 38              |
| Toluene                   | 0.131                          | U                                 | 0.125                    | 0.121                        | 95.2         | 92.0          | 1        | 10.0-156         |              |               | 3.42     | 38              |
| Xylenes, Total            | 0.394                          | U                                 | 0.402                    | 0.383                        | 102          | 97.1          | 1        | 10.0-160         |              |               | 4.83     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 100          | 101           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 97.2         | 98.6          |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 97.0         | 97.1          |          | 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

L1199114-01,02,03,04,05,06,07,08,09,10,11,12,13,14,15,16

Method Blank (MB)

(MB) R3509778-1 03/17/20 20:10

| 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      | 70.1               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3509778-2 03/17/20 20:23

| 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                  | 37.5                | 75.0          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 77.2          | 18.0-148         |               |

L1199114-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199114-04 03/17/20 22:04 • (MS) R3509778-3 03/17/20 22:16 • (MSD) R3509778-4 03/17/20 22:29

| 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 | 50.7                           | 2.16                              | 35.2                     | 38.0                         | 65.2         | 70.0          | 1        | 50.0-150         |              |               | 7.54     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 65.5         | 60.0          |          | 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

L1199114-17,18,19,20,21,22,23,24,25,26,27,28,29

Method Blank (MB)

(MB) R3510563-1 03/19/20 21:00

| 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      | 64.3               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3510563-2 03/19/20 21:19

| 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                  | 36.5                | 73.0          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 83.2          | 18.0-148         |               |

L1199114-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199114-20 03/19/20 21:57 • (MS) R3510563-3 03/19/20 22:14 • (MSD) R3510563-4 03/19/20 22:27

| 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 | 53.3                           | U                                 | 36.4                     | 36.8                         | 68.3         | 69.5          | 1        | 50.0-150         |              |               | 0.889    | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 65.7         | 65.8          |          | 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 L1199114-50,51,52,53,54,55,56,57

Method Blank (MB)

(MB) R3510569-1 03/19/20 22:30

| 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      | 75.4               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3510569-2 03/19/20 22:44

| 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                  | 43.2                | 86.4          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 95.9          | 18.0-148         |               |

L1198863-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1198863-14 03/20/20 03:10 • (MS) R3510569-3 03/20/20 03:23 • (MSD) R3510569-4 03/20/20 03:36

| 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>% |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 50.0                  | ND                       | 53.2               | 48.5                | 76.4         | 67.0          | 5        | 50.0-150         |              |               | 9.24     | 20              |
| (S) o-Terphenyl      |                       |                          |                    |                     | 103          | 95.8          |          | 18.0-148         |              |               |          |                 |

Sample Narrative:

OS: Cannot run at lower dilution due to viscosity of extract

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

L1199114-30,31,32,33,34,35,36,37,38,39,40,41,42,43,44,45,46,47,48,49

Method Blank (MB)

(MB) R3510943-3 03/21/20 12:37

| 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      | 58.7               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3510943-4 03/21/20 12:50

| 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                  | 36.1                | 72.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 81.2          | 18.0-148         |               |

L1199114-30 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1199114-30 03/21/20 04:09 • (MS) R3510943-1 03/21/20 04:22 • (MSD) R3510943-2 03/21/20 04:35

| 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 | 55.3                           | 416                               | 452                      | 488                          | 64.4         | 129           | 20       | 50.0-150         |              |               | 7.58     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 63.9         | 57.6          |          | 18.0-148         | J7           | J7            |          |                 |

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.

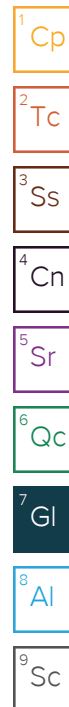
Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location.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

## Qualifier Description

|    |                                                                                                                                             |
|----|---------------------------------------------------------------------------------------------------------------------------------------------|
| B  | The same analyte is found in the associated blank.                                                                                          |
| E  | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J  | The identification of the analyte is acceptable; the reported value is an estimate.                                                         |
| J1 | Surrogate recovery limits have been exceeded; values are outside upper control limits.                                                      |
| J3 | The associated batch QC was outside the established quality control range for precision.                                                    |
| J7 | Surrogate recovery cannot be used for control limit evaluation due to dilution.                                                             |
| 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.                                                                 |



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             |

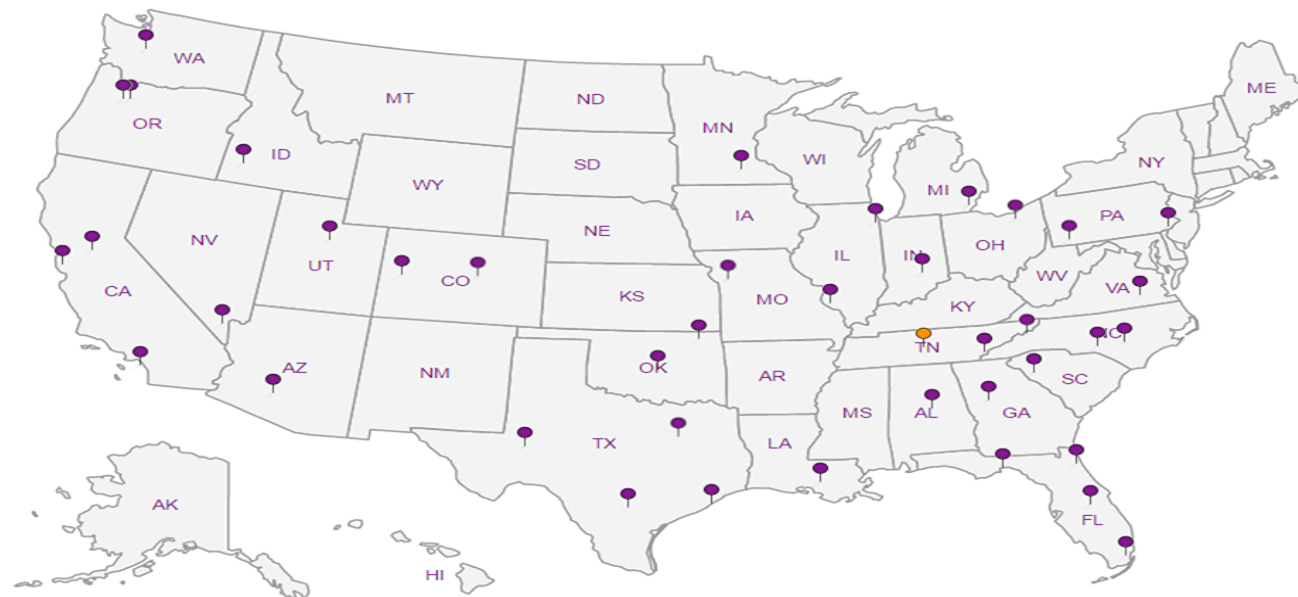
## Third Party Federal Accreditations

|                               |         |                     |               |
|-------------------------------|---------|---------------------|---------------|
| 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.







**Tetra Tech, Inc.**

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

1199114

|                                             |                                                                          |                           |                                                               |
|---------------------------------------------|--------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|
| <b>Client Name:</b>                         | Conoco Phillips                                                          | <b>Site Manager:</b>      | Christian Llull                                               |
| <b>Project Name:</b>                        | COP MCA 2 C Header Release                                               | <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-02119                                                 |
| <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> | Adrian                                                        |
| <b>Comments:</b>                            | 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) | BTX 8021B | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DI) | PAH 8270C | Total Metals Ag As Ba C | TCLP Metals Ag As Ba | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 6270C | GC/MS Semi. Vol. 8270C/608 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TD | General Water Chemistry | Anion/Cation Balance | TPH 8015R | HOLD |  |
|-----------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|-----------|-------------------------|----------------------|-----------|-------------------------|----------------------|----------------|---------------------|-----|--------------------------|----------------------------|------------------|------|----------------|----------------|---------------------|-------------------------|----------------------|-----------|------|--|
|                             |                       | YEAR: 2020 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                |           |                         |                      |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                |                     |                         |                      |           |      |  |
|                             |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |           |                         |                      |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                |                     |                         |                      |           |      |  |
| 01                          | AH-4E (0-1')          | 3/3/2020   | 1100 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |
| 02                          | AH-4E (3-4')          | 3/3/2020   | 1110 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |
| 03                          | AH-4W (0-1')          | 3/3/2020   | 1120 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |
| 04                          | AH-4W (3-4')          | 3/3/2020   | 1130 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |
| 05                          | T-5 (1-2')            | 3/5/2020   | 1150 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |
| 06                          | T-5 (3-4')            | 3/5/2020   | 1200 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |
| 07                          | T-5 (5-6')            | 3/5/2020   | 1210 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |
| 08                          | T-5 (7-8')            | 3/5/2020   | 1220 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |
| 09                          | AH-5S (0-1')          | 3/5/2020   | 1300 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |
| 10                          | AH-5S (3-4')          | 3/5/2020   | 1310 |        | X    |                     |                  | X   |      |              | 1              | N         | X                       | X                    |           |                         |                      |                |                     |     |                          |                            |                  |      |                |                | X                   |                         |                      |           |      |  |

|                  |         |       |              |         |       |
|------------------|---------|-------|--------------|---------|-------|
| Relinquished by: | Date:   | Time: | Received by: | Date:   | Time: |
| Adrian Dares     | 3/12/20 | 14:15 | [Signature]  | 3/12/20 | 14:15 |
| Relinquished by: | Date:   | Time: | Received by: | Date:   | Time: |
| [Signature]      | 3/12/20 | 17:00 | SCA          | 3/12/20 | 17:00 |
| Relinquished by: | Date:   | Time: | Received by: | Date:   | Time: |
|                  |         |       | W Taylor     | 3/13/20 | 8:00  |

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| <b>LAB USE ONLY</b> | <b>REMARKS:</b>                                               |
| Sample Temperature  | <input checked="" type="checkbox"/> Standard                  |
|                     | <input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.  |
|                     | <input type="checkbox"/> Rush Charges Authorized              |
|                     | <input type="checkbox"/> Special Report Limits or TRRP Report |



## Analysis request of Chain of Custody Record

Page: 2 of 7

**Tetra Tech, Inc.**901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

1199114

**Client Name:** Conoco Phillips  
**Site Manager:** Christian Llull

**Project Name:** COP MCA 2 C Header Release  
**Contact Info:** Email: christian.llull@tetratech.com  
Phone: (512) 338-1667

**Project Location:** Lea County, New Mexico  
**Project #:** 212C-MD-02119

**Invoice to:** Accounts Payable  
901 West Wall Street, Suite 100 Midland, Texas 79701

**Receiving Laboratory:** Pace Analytical  
**Sampler Signature:** Adrian

**Comments:** COPTETRA Acctnum**ANALYSIS REQUEST**  
(Circle or Specify Method No.)

| LAB #<br><br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING   |      | MATRIX |      |  | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) |            |            |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | HOLD |                      |                                             |                      |           |  |  |  |
|-----------------------------|-----------------------|------------|------|--------|------|--|---------------------|------------------|-----|------|--------------|----------------|------------|------------|-------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|------|----------------------|---------------------------------------------|----------------------|-----------|--|--|--|
|                             |                       | YEAR: 2020 |      | WATER  | SOIL |  | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                | BTEX 8021B | BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 |      | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R |  |  |  |
|                             |                       | DATE       | TIME |        |      |  |                     |                  |     |      |              |                |            |            |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
| 11                          | AH-5E (0-1')          | 3/5/2020   | 1100 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
| 12                          | AH-5E (3-4')          | 3/5/2020   | 1110 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
| 13                          | AH-5W (0-1')          | 3/5/2020   | 1120 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
| 14                          | AH-5W (3-4')          | 3/5/2020   | 1130 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
| 15                          | T-6(1-2')             | 3/5/2020   | 1150 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
|                             | T-6 (3-4')            | 3/5/2020   | 1200 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
|                             | T-6 (7-8')            | 3/5/2020   | 1210 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
| 16                          | T-6(9-10')            | 3/5/2020   | 1220 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
| 17                          | AH-6E (0-1')          | 3/5/2020   | 1300 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
| 18                          | AH-6E (3-4')          | 3/5/2020   | 1310 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |
| Relinquished by:            |                       |            |      |        |      |  |                     |                  |     |      |              |                |            |            |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |  |

Relinquished by:

Date: 3/12/20 Time: 14:15

Received by:

Date: 3/12/20 Time: 14:15

Relinquished by:

Date: 3/12/20 Time: 17:00

Received by:

Date: 3/12/20 Time: 17:00

Relinquished by:

Date: 3/13/20 Time: 8:00

Received by:

Date: 3/13/20 Time: 8:00

**LAB USE ONLY**

Sample Temperature

**REMARKS:**

- ☒ Standard
- ☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

Containers Received 6.6





# Tetra Tech, Inc.

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

Client Name: Conoco Phillips  
Project Name: COP MCA 2 C Header Release  
Project Location: Lea County, New Mexico  
Invoice to: Accounts Payable  
901 West Wall Street, Suite 100 Midland, Texas 79701  
Receiving Laboratory: Pace Analytical  
Comments: COPTETRA Acctnum

Site Manager: Christian Llull  
Contact Info: Email: christian.llull@tetratech.com  
Phone: (512) 338-1667  
Project #: 212C-MD-02119  
Sampler Signature: Adrian

## ANALYSIS REQUEST (Circle or Specify Method No.)

|            |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|------------|-------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|---------------------------------------------|----------------------|-----------|------|
| BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | 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 | 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 |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) |   |   |  |  |  |  |  |  |  |   |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|---|---|--|--|--|--|--|--|--|---|
|                         |                       | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                |   |   |  |  |  |  |  |  |  |   |
| 19                      | AH-6W (0-1')          | 3/5/2020 | 1100 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  |   |
| 20                      | AH-6W (3-4')          | 3/5/2020 | 1110 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  |   |
| 21                      | AH-7W (0-1')          | 3/5/2020 | 1120 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  |   |
| 22                      | AH-7W (3-4')          | 3/5/2020 | 1130 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  |   |
| 23                      | T-7(1-2')             | 3/5/2020 | 1150 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  |   |
|                         | T-7 (3-4')            | 3/5/2020 | 1200 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  |   |
|                         | T-7 (5-6')            | 3/5/2020 | 1210 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  | X |
| 24                      | T-7(9-10')            | 3/5/2020 | 1220 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  | X |
| 25                      | T-7 (17.5')           | 3/5/2020 | 1300 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  |   |
|                         | AH-7E (0-1')          | 3/5/2020 | 1310 | X      |      |                     |                  | X   |      | 1            | N              | X | X |  |  |  |  |  |  |  |   |

Relinquished by: *Adrian Llull*  
Date: 3/12/20 Time: 14:15  
Relinquished by: *Adrian Llull*  
Date: 3/12/20 Time: 17:00  
Relinquished by: *Adrian Llull*  
Date: 3/12/20 Time: 17:00

Received by: *Adrian Llull* Date: 3/12/20 Time: 14:15  
Received by: *Adrian Llull* Date: 3/12/20 Time: 17:00  
Received by: *Adrian Llull* Date: 3/12/20 Time: 17:00  
Received by: *Adrian Llull* Date: 3/13/20 Time: 8:00

LAB USE ONLY  
Sample Temperature  
REMARKS:  
☒ Standard  
☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.  
☐ Rush Charges Authorized  
☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



## Analysis Request of Chain of Custody Record

Page: 4 of 7



Tetra Tech, Inc.

 901 West Wall Street, Suite 100  
 Midland, Texas 79701  
 Tel (432) 682-4559  
 Fax (432) 682-3946

Client Name: Conoco Phillips Site Manager: Christian Llull

Project Name: COP MCA 2 C Header Release Contact Info: Email: christian.llull@tetratech.com  
Phone: (512) 338-1667

Project Location: Lea County, New Mexico Project #: 212C-MD-02119

Invoice to: Accounts Payable  
901 West Wall Street, Suite 100 Midland, Texas 79701

Receiving Laboratory: Pace Analytical Sampler Signature: Adrian

Comments: COPTETRA Acctnum

 ANALYSIS REQUEST  
 (Circle or Specify Method No.)

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING   |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) |            |            |                         |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | HOLD |                      |                                             |                      |           |  |  |
|-------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|------------|-------------------------|------------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|-----------------|------|----------------|----------------|------|----------------------|---------------------------------------------|----------------------|-----------|--|--|
|                         |                       | YEAR: 2020 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                | BTEX 8021B | BTEX 8260B | 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 | RCL | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCBs 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 |      | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R |  |  |
|                         |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |            |            |                         |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                |      |                      |                                             |                      |           |  |  |
| 26                      | AH-7E (3-4')          | 3/5/2020   | 1100 |        | X    |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X    |                      |                                             |                      |           |  |  |
| 27                      | AH-8N (0-1')          | 3/6/2020   | 1120 |        | X    |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X    |                      |                                             |                      |           |  |  |
| 28                      | AH-8N (3-4')          | 3/6/2020   | 1130 |        | X    |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X    |                      |                                             |                      |           |  |  |
| 29                      | T-8(1-2')             | 3/6/2020   | 1150 |        | X    |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X    |                      |                                             |                      |           |  |  |
| 30                      | T-8 (3-4')            | 3/6/2020   | 1200 |        | X    |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X    |                      |                                             |                      |           |  |  |
| 31                      | T-8 (7-8')            | 3/6/2020   | 1210 |        | X    |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X    |                      |                                             |                      |           |  |  |
| 32                      | T-8(9-10')            | 3/6/2020   | 1220 |        | X    |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X    |                      |                                             |                      |           |  |  |
| 33                      | AH-8E (0-1')          | 3/6/2020   | 1300 |        | X    |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X    |                      |                                             |                      |           |  |  |
| 34                      | AH-8E (3-4')          | 3/6/2020   | 1310 |        | X    |                     |                  | X   |      |              | 1              | N          | X          | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X    |                      |                                             |                      |           |  |  |

Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

 Relinquished by: *Adrian Da* Date: 3/12/20 Time: 14:15

 Relinquished by: *[Signature]* Date: 3/12/20 Time: 17:00

 Relinquished by: *[Signature]* Date: 3/12/20 Time: 17:00

 Received by: *[Signature]* Date: 3/12/20 Time: 14:15

 Received by: *SCA* Date: 3/12/20 Time: 17:00

 Received by: *W Taper* Date: 3/12/20 Time: 8:00

LAB USE ONLY

Sample Temperature

## REMARKS:

- ☒ Standard
- ☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:





**Tetra Tech, Inc.**

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

1199114

|                                             |                                                                          |                           |                                                               |
|---------------------------------------------|--------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|
| <b>Client Name:</b>                         | Conoco Phillips                                                          | <b>Site Manager:</b>      | Christian Llull                                               |
| <b>Project Name:</b>                        | COP MCA 2 C Header Release                                               | <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-02119                                                 |
| <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> | Adrian                                                        |
| <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 - 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 | Anion/Cation Balance | TPH 8015R | HOLD |  |
|-------------------------|-----------------------|------------|------|--------|------|--|---------------------|------------------|-----|------|--------------|----------------|------------|------------------|-------------------------|-----------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|-------------------------|----------------------|-----------|------|--|
|                         |                       | YEAR: 2020 |      | WATER  | SOIL |  | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                         |                      |           |      |  |
|                         |                       | DATE       | TIME |        |      |  |                     |                  |     |      |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                         |                      |           |      |  |
| 35                      | AH-8W (0-1')          | 3/6/2020   | 1100 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |
| 36                      | AH-8W (3-4')          | 3/6/2020   | 1110 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |
| 37                      | AH-9E (0-1')          | 3/6/2020   | 1120 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |
| 38                      | AH-9E (3-4')          | 3/6/2020   | 1130 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |
| 39                      | T-9 (1-2')            | 3/6/2020   | 1150 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |
| 40                      | T-9 (3-4')            | 3/6/2020   | 1200 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |
| 41                      | T-9 (7-8')            | 3/6/2020   | 1210 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |
| 42                      | T-9(9-10')            | 3/6/2020   | 1220 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |
| 43                      | AH-9W (0-1')          | 3/6/2020   | 1300 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |
| 44                      | AH-9W (3-4')          | 3/6/2020   | 1310 |        | X    |  |                     |                  | X   |      |              | 1              | N          | X                | X                       |                                   |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                         |                      |           |      |  |

|                     |         |       |                     |         |       |
|---------------------|---------|-------|---------------------|---------|-------|
| Relinquished by:    | Date:   | Time: | Received by:        | Date:   | Time: |
| <i>Adrian Llull</i> | 3/12/20 | 14:15 | <i>Adrian Llull</i> | 3/12/20 | 14:15 |
| Relinquished by:    | Date:   | Time: | Received by:        | Date:   | Time: |
| <i>Adrian Llull</i> | 3/12/20 | 17:00 | <i>SCA</i>          | 3/12/20 | 17:00 |
| Relinquished by:    | Date:   | Time: | Received by:        | Date:   | Time: |
|                     |         |       | <i>W Taylor</i>     | 3/13/20 | 8:00  |

**LAB USE ONLY**

Sample Temperature

**REMARKS:**

☒ Standard

☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:





**Tetra Tech, Inc.**

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

1199114

|                                             |                                                                          |                           |                                                               |
|---------------------------------------------|--------------------------------------------------------------------------|---------------------------|---------------------------------------------------------------|
| <b>Client Name:</b>                         | Conoco Phillips                                                          | <b>Site Manager:</b>      | Christian Llull                                               |
| <b>Project Name:</b>                        | COP MCA 2 C Header Release                                               | <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-02119                                                 |
| <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> | Adrian                                                        |
| <b>Comments:</b> 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) | 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 | FCL | 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 |        |      |                     |                  |     |      |              |                |           |                 |                         |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |
| 45                          | AH-10E (0-1')         | 3/9/2020   | 1100 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |   |
| 46                          | AH-10E (3-4')         | 3/9/2020   | 1110 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |   |
| 47                          | AH-10W (0-1')         | 3/9/2020   | 1120 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |   |
| 48                          | AH-10W (3-4')         | 3/9/2020   | 1130 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |   |
| 49                          | T-10 (1-2')           | 3/9/2020   | 1150 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |   |
|                             | T-10 (5-6')           | 3/9/2020   | 1200 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      | X |
|                             | T-10 (9-10')          | 3/9/2020   | 1210 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      | X |
| 50                          | T-10(14-15')          | 3/9/2020   | 1220 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |   |
| 51                          | T-9(16'-17')          | 3/10/2020  | 1300 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |   |
| 52                          | AH-11W(0-1')          | 3/10/2020  | 1050 |        | X    |                     |                  | X   |      |              | 1              | N         | X               | X                       |                                    |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                | X              |                      |                                             |                      |           |      |   |

|                                |               |             |                              |               |             |
|--------------------------------|---------------|-------------|------------------------------|---------------|-------------|
| Relinquished by: <i>Adrian</i> | Date: 3/12/20 | Time: 14:15 | Received by: <i>Scott</i>    | Date: 3/12/20 | Time: 14:15 |
| Relinquished by: <i>Scott</i>  | Date: 3/12/20 | Time: 17:00 | Received by: <i>W. Taper</i> | Date: 3/12/20 | Time: 17:00 |
| Relinquished by:               | Date:         | Time:       | Received by:                 | Date:         | Time:       |

|                    |                                                               |
|--------------------|---------------------------------------------------------------|
| LAB USE ONLY       | <input checked="" type="checkbox"/> Standard                  |
|                    | <input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.  |
|                    | <input type="checkbox"/> Rush Charges Authorized              |
|                    | <input type="checkbox"/> Special Report Limits or TRRP Report |
| Sample Temperature |                                                               |

ORIGINAL COPY  
Containers Received 60

(Circle) HAND DELIVERED FEDEX UPS Tracking #: \_\_\_\_\_



COP TETRA

1199114



**Tetra Tech, Inc.**

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

|                                             |                                                                          |                           |                                                                |
|---------------------------------------------|--------------------------------------------------------------------------|---------------------------|----------------------------------------------------------------|
| <b>Client Name:</b>                         | Conoco Phillips                                                          | <b>Site Manager:</b>      | Christian Llull                                                |
| <b>Project Name:</b>                        | COP MCA 2 C Header Release                                               | <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-02119                                                  |
| <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> | Adrian                                                         |
| <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 TPH TX1005 (Ext to C35) | GRO - DRO - ORO - MRO TPH 8015M | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCBs 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD |   |
|---------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|------------------------------|---------------------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|-----------------|------|----------------|----------------|----------------------|---------------------------------------------|----------------------|-----------|------|---|
|                           |                       | YEAR: 2020 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                |            |                              |                                 |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                |                      |                                             |                      |           |      |   |
|                           |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |            |                              |                                 |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                |                      |                                             |                      |           |      |   |
| 53                        | AH-11W (3-4')         | 3/10/2020  | 1100 |        | X    |                     |                  | X   |      | 1            | N              | X          |                              | X                               |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X                    |                                             |                      |           |      |   |
| 54                        | AH-11E (0-1')         | 3/10/2020  | 1110 |        | X    |                     |                  | X   |      | 1            | N              | X          |                              | X                               |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X                    |                                             |                      |           |      |   |
| 55                        | AH-11E (3-4')         | 3/10/2020  | 1120 |        | X    |                     |                  | X   |      | 1            | N              | X          |                              | X                               |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X                    |                                             |                      |           |      |   |
| 56                        | T-11 (1-2')           | 3/10/2020  | 1130 |        | X    |                     |                  | X   |      | 1            | N              | X          |                              | X                               |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X                    |                                             |                      |           |      |   |
|                           | T-11 (5-6')           | 3/10/2020  | 1150 |        | X    |                     |                  | X   |      | 1            | N              | X          |                              | X                               |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X                    |                                             |                      |           |      | X |
|                           | T-11 (9-10')          | 3/10/2020  | 1200 |        | X    |                     |                  | X   |      | 1            | N              | X          |                              | X                               |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X                    |                                             |                      |           |      | X |
| 57                        | T-11 (14-15')         | 3/10/2020  | 1210 |        | X    |                     |                  | X   |      | 1            | N              | X          |                              | X                               |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                | X                    |                                             |                      |           |      |   |
|                           |                       |            |      |        |      |                     |                  |     |      |              |                |            |                              |                                 |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                |                      |                                             |                      |           |      |   |
|                           |                       |            |      |        |      |                     |                  |     |      |              |                |            |                              |                                 |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                |                      |                                             |                      |           |      |   |
|                           |                       |            |      |        |      |                     |                  |     |      |              |                |            |                              |                                 |           |                                      |                                     |                |                     |     |                        |                            |                 |      |                |                |                      |                                             |                      |           |      |   |

|                     |         |       |                     |         |       |
|---------------------|---------|-------|---------------------|---------|-------|
| Relinquished by:    | Date:   | Time: | Received by:        | Date:   | Time: |
| <i>Adrian Llull</i> | 3/12/20 | 14:15 | <i>Adrian Llull</i> | 3/12/20 | 14:15 |
| Relinquished by:    | Date:   | Time: | Received by:        | Date:   | Time: |
| <i>Adrian Llull</i> | 3/12/20 | 17:00 | <i>Adrian Llull</i> | 3/12/20 | 17:00 |
| Relinquished by:    | Date:   | Time: | Received by:        | Date:   | Time: |
|                     |         |       | <i>W. Taylor</i>    | 3/13/20 | 8:00  |

|                     |                                                               |
|---------------------|---------------------------------------------------------------|
| <b>LAB USE ONLY</b> | <b>REMARKS:</b>                                               |
| Sample Temperature  | <input checked="" type="checkbox"/> Standard                  |
|                     | <input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.  |
|                     | <input type="checkbox"/> Rush Charges Authorized              |
|                     | <input type="checkbox"/> Special Report Limits or TRRP Report |

ORIGINAL COPY  
Containers Received 66

(Circle) HAND DELIVERED FEDEX UPS Tracking #: \_\_\_\_\_



| Pace Analytical National Center for Testing & Innovation<br>Cooler Receipt Form |               |              |         |
|---------------------------------------------------------------------------------|---------------|--------------|---------|
| Client:                                                                         | COPTETRA      |              | 1199114 |
| Cooler Received/Opened On:                                                      | 3 / 13 / 20   | Temperature: | .7      |
| Received By:                                                                    | Willie Taylor | 8:00         |         |
| Signature:                                                                      | Willie Taylor |              |         |
| Receipt Check List                                                              |               |              |         |
|                                                                                 | NP            | Yes          | No      |
| COC Seal Present / Intact?                                                      | /             |              |         |
| COC Signed / Accurate?                                                          |               | /            |         |
| Bottles arrive intact?                                                          |               | /            |         |
| Correct bottles used?                                                           |               | /            |         |
| Sufficient volume sent?                                                         |               | /            |         |
| If Applicable                                                                   |               |              |         |
| VOA Zero headspace?                                                             |               |              |         |
| Preservation Correct / Checked?                                                 |               |              |         |



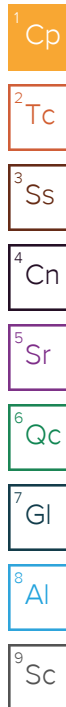
## ANALYTICAL REPORT

July 28, 2020

Revised Report

**ConocoPhillips - Tetra Tech**

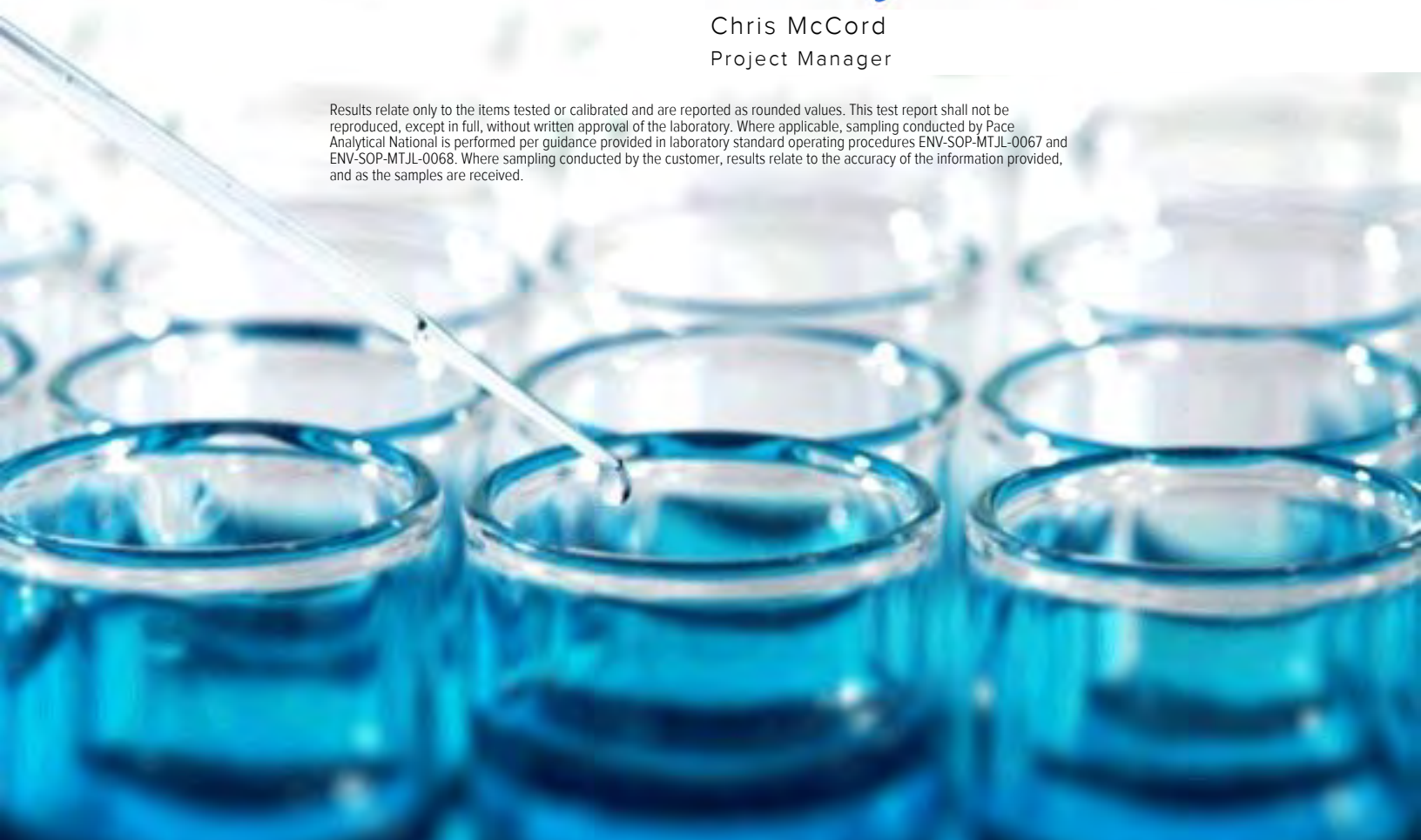
Sample Delivery Group: L1238345  
Samples Received: 07/10/2020  
Project Number: 212C-MD-02119  
Description: COP MCA 2-C Header Release  
Site: LEA COUNTY, NEW MEXICO  
Report To: Christian Llull  
901 West Wall  
Suite 100  
Midland, TX 79701



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>3</b>  |
| <b>Cn: Case Narrative</b>                           | <b>6</b>  |
| <b>Sr: Sample Results</b>                           | <b>7</b>  |
| AH-1S-2 0-1FT L1238345-01                           | 7         |
| AH-1S-2 2-3FT L1238345-02                           | 8         |
| AH-5S-2 0-1FT L1238345-03                           | 9         |
| AH-5S-2 2-3FT L1238345-04                           | 10        |
| AH-7W-2 0-1FT L1238345-05                           | 11        |
| AH-7W-2 2-3FT L1238345-06                           | 12        |
| AH-7E-2 0-1FT L1238345-07                           | 13        |
| AH-7E-2 2-3FT L1238345-08                           | 14        |
| AH-11W-2 0-1FT L1238345-09                          | 15        |
| AH-11W-2 2-3FT L1238345-10                          | 16        |
| AH-9W-2 0-1FT L1238345-11                           | 17        |
| AH-9N 0-1FT L1238345-13                             | 18        |
| AH-9N 2-3FT L1238345-14                             | 19        |
| AH-8W-2 0-1FT L1238345-15                           | 20        |
| AH-8W-2 2-3FT L1238345-16                           | 21        |
| <b>Qc: Quality Control Summary</b>                  | <b>22</b> |
| Total Solids by Method 2540 G-2011                  | 22        |
| Wet Chemistry by Method 300.0                       | 24        |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 25        |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 27        |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 29        |
| <b>Gl: Glossary of Terms</b>                        | <b>30</b> |
| <b>Al: Accreditations &amp; Locations</b>           | <b>31</b> |
| <b>Sc: Sample Chain of Custody</b>                  | <b>32</b> |





## AH-1S-2 0-1FT L1238345-01 Solid

Collected by  
John Myler

Collected date/time  
07/08/20 12:00

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508708 | 1        | 07/14/20 23:25        | 07/14/20 23:35     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/13/20 23:32     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507601 | 1        | 07/10/20 21:04        | 07/12/20 00:21     | AV      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 13:59     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 13:15     | KLM     | Mt. Juliet, TN |

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

## AH-1S-2 2-3FT L1238345-02 Solid

Collected by  
John Myler

Collected date/time  
07/08/20 12:30

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508708 | 1        | 07/14/20 23:25        | 07/14/20 23:35     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/13/20 23:50     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507601 | 1        | 07/10/20 21:04        | 07/12/20 00:41     | AV      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 14:19     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 12:33     | KLM     | Mt. Juliet, TN |

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

## AH-5S-2 0-1FT L1238345-03 Solid

Collected by  
John Myler

Collected date/time  
07/08/20 13:30

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508708 | 1        | 07/14/20 23:25        | 07/14/20 23:35     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 00:09     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507601 | 1        | 07/10/20 21:04        | 07/12/20 01:02     | AV      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 14:39     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 11:19     | KLM     | Mt. Juliet, TN |

<sup>9</sup> Sc

## AH-5S-2 2-3FT L1238345-04 Solid

Collected by  
John Myler

Collected date/time  
07/08/20 14:00

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508708 | 1        | 07/14/20 23:25        | 07/14/20 23:35     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 00:27     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507601 | 1        | 07/10/20 21:04        | 07/12/20 01:22     | AV      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 14:59     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/17/20 16:09     | FM      | Mt. Juliet, TN |

## AH-7W-2 0-1FT L1238345-05 Solid

Collected by  
John Myler

Collected date/time  
07/08/20 14:30

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508708 | 1        | 07/14/20 23:25        | 07/14/20 23:35     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 01:04     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507601 | 1        | 07/10/20 21:04        | 07/12/20 01:43     | AV      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 15:19     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 13:28     | KLM     | Mt. Juliet, TN |

## AH-7W-2 2-3FT L1238345-06 Solid

Collected by John Myler  
Collected date/time 07/08/20 15:00  
Received date/time 07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508708 | 1        | 07/14/20 23:25        | 07/14/20 23:35     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 01:22     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507601 | 1        | 07/10/20 21:04        | 07/12/20 02:03     | AV      | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 15:39     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 14:01     | KLM     | Mt. Juliet, TN |

1 Cp

2 Tc

3 Ss

4 Cn

## AH-7E-2 0-1FT L1238345-07 Solid

Collected by John Myler  
Collected date/time 07/08/20 15:30  
Received date/time 07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508708 | 1        | 07/14/20 23:25        | 07/14/20 23:35     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 02:54     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507614 | 1        | 07/10/20 21:04        | 07/12/20 03:45     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 15:59     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/17/20 00:20     | KLM     | Mt. Juliet, TN |

5 Sr

6 Qc

7 Gl

8 Al

## AH-7E-2 2-3FT L1238345-08 Solid

Collected by John Myler  
Collected date/time 07/08/20 16:00  
Received date/time 07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508708 | 1        | 07/14/20 23:25        | 07/14/20 23:35     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 03:13     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507614 | 1        | 07/10/20 21:04        | 07/12/20 04:07     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 16:18     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 12:19     | KLM     | Mt. Juliet, TN |

9 Sc

## AH-11W-2 0-1FT L1238345-09 Solid

Collected by John Myler  
Collected date/time 07/08/20 16:30  
Received date/time 07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508709 | 1        | 07/14/20 23:12        | 07/14/20 23:22     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 03:31     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507614 | 1        | 07/10/20 21:04        | 07/12/20 04:29     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 16:38     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 23:39     | KLM     | Mt. Juliet, TN |

## AH-11W-2 2-3FT L1238345-10 Solid

Collected by John Myler  
Collected date/time 07/08/20 17:00  
Received date/time 07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508709 | 1        | 07/14/20 23:12        | 07/14/20 23:22     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 03:50     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507614 | 1        | 07/10/20 21:04        | 07/12/20 04:52     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 16:58     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 23:53     | KLM     | Mt. Juliet, TN |

## AH-9W-2 0-1FT L1238345-11 Solid

Collected by  
John Myler

Collected date/time  
07/08/20 17:30

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508709 | 1        | 07/14/20 23:12        | 07/14/20 23:22     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 04:08     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507614 | 1        | 07/10/20 21:04        | 07/12/20 05:14     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 17:18     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/17/20 00:06     | KLM     | Mt. Juliet, TN |

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

## AH-9N 0-1FT L1238345-13 Solid

Collected by  
John Myler

Collected date/time  
07/08/20 18:30

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508709 | 1        | 07/14/20 23:12        | 07/14/20 23:22     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 04:27     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507614 | 1        | 07/10/20 21:04        | 07/12/20 05:36     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 17:38     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 22:31     | KLM     | Mt. Juliet, TN |

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

## AH-9N 2-3FT L1238345-14 Solid

Collected by  
John Myler

Collected date/time  
07/08/20 19:00

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508709 | 1        | 07/14/20 23:12        | 07/14/20 23:22     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 04:45     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507614 | 1        | 07/10/20 21:04        | 07/12/20 05:58     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 17:58     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 14:14     | KLM     | Mt. Juliet, TN |

<sup>9</sup> Sc

## AH-8W-2 0-1FT L1238345-15 Solid

Collected by  
John Myler

Collected date/time  
07/08/20 19:30

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508709 | 1        | 07/14/20 23:12        | 07/14/20 23:22     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 05:03     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507614 | 1        | 07/10/20 21:04        | 07/12/20 06:21     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507711 | 1        | 07/10/20 21:04        | 07/12/20 18:18     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 22:45     | KLM     | Mt. Juliet, TN |

## AH-8W-2 2-3FT L1238345-16 Solid

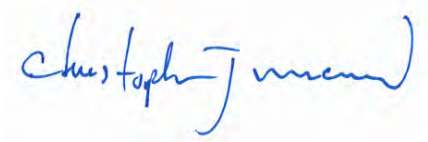
Collected by  
John Myler

Collected date/time  
07/08/20 20:00

Received date/time  
07/10/20 08:30

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1508709 | 1        | 07/14/20 23:12        | 07/14/20 23:22     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1507969 | 1        | 07/13/20 21:00        | 07/14/20 05:22     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1507614 | 1        | 07/10/20 21:04        | 07/12/20 06:43     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1507972 | 1        | 07/10/20 21:04        | 07/14/20 13:17     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1507584 | 1        | 07/15/20 09:09        | 07/16/20 22:58     | KLM     | 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

### Report Revision History

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Level II Report - Version 1: 07/20/20 17:24

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

Collected date/time: 07/08/20 12:00

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 93.4   |           | 1        | 07/14/2020 23:35 | <a href="#">WG1508708</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 | U            |           | 9.85      | 21.4      | 1        | 07/13/2020 23:32 | <a href="#">WG1507969</a> |

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

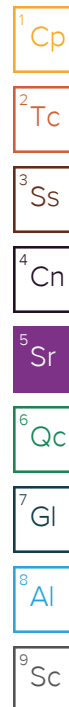
| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0232    | 0.107     | 1        | 07/12/2020 00:21 | <a href="#">WG1507601</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 89.2         |           |           | 77.0-120  |          | 07/12/2020 00:21 | <a href="#">WG1507601</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            |           | 0.000500  | 0.00107   | 1        | 07/12/2020 13:59 | <a href="#">WG1507711</a> |
| Toluene                   | U            |           | 0.00139   | 0.00535   | 1        | 07/12/2020 13:59 | <a href="#">WG1507711</a> |
| Ethylbenzene              | U            |           | 0.000789  | 0.00268   | 1        | 07/12/2020 13:59 | <a href="#">WG1507711</a> |
| Total Xylenes             | U            |           | 0.000942  | 0.00696   | 1        | 07/12/2020 13:59 | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 104          |           |           | 75.0-131  |          | 07/12/2020 13:59 | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 101          |           |           | 67.0-138  |          | 07/12/2020 13:59 | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 108          |           |           | 70.0-130  |          | 07/12/2020 13:59 | <a href="#">WG1507711</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 | 3.23         | J         | 1.72      | 4.28      | 1        | 07/16/2020 13:15 | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 14.3         |           | 0.293     | 4.28      | 1        | 07/16/2020 13:15 | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 52.4         |           |           | 18.0-148  |          | 07/16/2020 13:15 | <a href="#">WG1507584</a> |



Collected date/time: 07/08/20 12:30

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.4   |           | 1        | 07/14/2020 23:35     | <a href="#">WG1508708</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                  |           | 9.54            | 20.7            | 1        | 07/13/2020 23:50     | <a href="#">WG1507969</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                  |           | 0.0225          | 0.104           | 1        | 07/12/2020 00:41     | <a href="#">WG1507601</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 88.7               |           |                 | 77.0-120        |          | 07/12/2020 00:41     | <a href="#">WG1507601</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        | 07/12/2020 14:19     | <a href="#">WG1507711</a> |
| Toluene                   | U                  |           | 0.00135         | 0.00519         | 1        | 07/12/2020 14:19     | <a href="#">WG1507711</a> |
| Ethylbenzene              | U                  |           | 0.000764        | 0.00259         | 1        | 07/12/2020 14:19     | <a href="#">WG1507711</a> |
| Total Xylenes             | U                  |           | 0.000913        | 0.00674         | 1        | 07/12/2020 14:19     | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 104                |           |                 | 75.0-131        |          | 07/12/2020 14:19     | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 103                |           |                 | 67.0-138        |          | 07/12/2020 14:19     | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 111                |           |                 | 70.0-130        |          | 07/12/2020 14:19     | <a href="#">WG1507711</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 | 2.53               | J         | 1.67            | 4.15            | 1        | 07/16/2020 12:33     | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 11.7               |           | 0.284           | 4.15            | 1        | 07/16/2020 12:33     | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 52.0               |           |                 | 18.0-148        |          | 07/16/2020 12:33     | <a href="#">WG1507584</a> |

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

Collected date/time: 07/08/20 13:30

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 82.9   |           | 1        | 07/14/2020 23:35     | <a href="#">WG1508708</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) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 11.8               | J         | 11.1            | 24.1            | 1        | 07/14/2020 00:09     | <a href="#">WG1507969</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       | 0.0282             | J         | 0.0262          | 0.121           | 1        | 07/12/2020 01:02     | <a href="#">WG1507601</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 87.5               |           |                 | 77.0-120        |          | 07/12/2020 01:02     | <a href="#">WG1507601</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                  |           | 0.000661        | 0.00141         | 1        | 07/12/2020 14:39     | <a href="#">WG1507711</a> |
| Toluene                   | U                  |           | 0.00184         | 0.00707         | 1        | 07/12/2020 14:39     | <a href="#">WG1507711</a> |
| Ethylbenzene              | U                  |           | 0.00104         | 0.00354         | 1        | 07/12/2020 14:39     | <a href="#">WG1507711</a> |
| Total Xylenes             | U                  |           | 0.00125         | 0.00920         | 1        | 07/12/2020 14:39     | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 104                |           |                 | 75.0-131        |          | 07/12/2020 14:39     | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 100                |           |                 | 67.0-138        |          | 07/12/2020 14:39     | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 110                |           |                 | 70.0-130        |          | 07/12/2020 14:39     | <a href="#">WG1507711</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                  |           | 1.94            | 4.83            | 1        | 07/16/2020 11:19     | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 4.44               | B J       | 0.331           | 4.83            | 1        | 07/16/2020 11:19     | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 46.9               |           |                 | 18.0-148        |          | 07/16/2020 11:19     | <a href="#">WG1507584</a> |



Collected date/time: 07/08/20 14:00

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 93.6   |           | 1        | 07/14/2020 23:35 | <a href="#">WG1508708</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 | U            |           | 9.83      | 21.4      | 1        | 07/14/2020 00:27 | <a href="#">WG1507969</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            |           | 0.0232    | 0.107     | 1        | 07/12/2020 01:22 | <a href="#">WG1507601</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 89.1         |           |           | 77.0-120  |          | 07/12/2020 01:22 | <a href="#">WG1507601</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            |           | 0.000499  | 0.00107   | 1        | 07/12/2020 14:59 | <a href="#">WG1507711</a> |
| Toluene                   | U            |           | 0.00139   | 0.00534   | 1        | 07/12/2020 14:59 | <a href="#">WG1507711</a> |
| Ethylbenzene              | U            |           | 0.000788  | 0.00267   | 1        | 07/12/2020 14:59 | <a href="#">WG1507711</a> |
| Total Xylenes             | U            |           | 0.000940  | 0.00695   | 1        | 07/12/2020 14:59 | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 107          |           |           | 75.0-131  |          | 07/12/2020 14:59 | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 103          |           |           | 67.0-138  |          | 07/12/2020 14:59 | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 98.8         |           |           | 70.0-130  |          | 07/12/2020 14:59 | <a href="#">WG1507711</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 | 4.78         |           | 1.72      | 4.27      | 1        | 07/17/2020 16:09 | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 13.8         |           | 0.293     | 4.27      | 1        | 07/17/2020 16:09 | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 48.5         |           |           | 18.0-148  |          | 07/17/2020 16:09 | <a href="#">WG1507584</a> |

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

Collected date/time: 07/08/20 14:30

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.6   |           | 1        | 07/14/2020 23:35     | <a href="#">WG1508708</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                  |           | 9.23            | 20.1            | 1        | 07/14/2020 01:04     | <a href="#">WG1507969</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       | 0.0251             | J         | 0.0218          | 0.100           | 1        | 07/12/2020 01:43     | <a href="#">WG1507601</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 89.2               |           |                 | 77.0-120        |          | 07/12/2020 01:43     | <a href="#">WG1507601</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                  |           | 0.000469        | 0.00100         | 1        | 07/12/2020 15:19     | <a href="#">WG1507711</a> |
| Toluene                   | U                  |           | 0.00130         | 0.00502         | 1        | 07/12/2020 15:19     | <a href="#">WG1507711</a> |
| Ethylbenzene              | U                  |           | 0.000740        | 0.00251         | 1        | 07/12/2020 15:19     | <a href="#">WG1507711</a> |
| Total Xylenes             | U                  |           | 0.000883        | 0.00652         | 1        | 07/12/2020 15:19     | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 07/12/2020 15:19     | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 98.1               |           |                 | 67.0-138        |          | 07/12/2020 15:19     | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 97.3               |           |                 | 70.0-130        |          | 07/12/2020 15:19     | <a href="#">WG1507711</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 | 3.57               | J         | 1.62            | 4.01            | 1        | 07/16/2020 13:28     | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 23.9               |           | 0.275           | 4.01            | 1        | 07/16/2020 13:28     | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 61.0               |           |                 | 18.0-148        |          | 07/16/2020 13:28     | <a href="#">WG1507584</a> |

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

Collected date/time: 07/08/20 15:00

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 85.8   |           | 1        | 07/14/2020 23:35     | <a href="#">WG1508708</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                  |           | 10.7            | 23.3            | 1        | 07/14/2020 01:22     | <a href="#">WG1507969</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       | 0.0304             | J         | 0.0253          | 0.117           | 1        | 07/12/2020 02:03     | <a href="#">WG1507601</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 86.2               |           |                 | 77.0-120        |          | 07/12/2020 02:03     | <a href="#">WG1507601</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                  |           | 0.000623        | 0.00133         | 1        | 07/12/2020 15:39     | <a href="#">WG1507711</a> |
| Toluene                   | U                  |           | 0.00173         | 0.00667         | 1        | 07/12/2020 15:39     | <a href="#">WG1507711</a> |
| Ethylbenzene              | U                  |           | 0.000982        | 0.00333         | 1        | 07/12/2020 15:39     | <a href="#">WG1507711</a> |
| Total Xylenes             | U                  |           | 0.00117         | 0.00866         | 1        | 07/12/2020 15:39     | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 07/12/2020 15:39     | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 100                |           |                 | 67.0-138        |          | 07/12/2020 15:39     | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 110                |           |                 | 70.0-130        |          | 07/12/2020 15:39     | <a href="#">WG1507711</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 | 2.80               | J         | 1.88            | 4.66            | 1        | 07/16/2020 14:01     | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 14.7               |           | 0.320           | 4.66            | 1        | 07/16/2020 14:01     | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 54.5               |           |                 | 18.0-148        |          | 07/16/2020 14:01     | <a href="#">WG1507584</a> |

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

Collected date/time: 07/08/20 15:30

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 81.3   |           | 1        | 07/14/2020 23:35 | <a href="#">WG1508708</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 | U            |           | 11.3      | 24.6      | 1        | 07/14/2020 02:54 | <a href="#">WG1507969</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            |           | 0.0267    | 0.123     | 1        | 07/12/2020 03:45 | <a href="#">WG1507614</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.9         |           |           | 77.0-120  |          | 07/12/2020 03:45 | <a href="#">WG1507614</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            |           | 0.000682  | 0.00146   | 1        | 07/12/2020 15:59 | <a href="#">WG1507711</a> |
| Toluene                   | U            |           | 0.00190   | 0.00730   | 1        | 07/12/2020 15:59 | <a href="#">WG1507711</a> |
| Ethylbenzene              | U            |           | 0.00108   | 0.00365   | 1        | 07/12/2020 15:59 | <a href="#">WG1507711</a> |
| Total Xylenes             | U            |           | 0.00129   | 0.00949   | 1        | 07/12/2020 15:59 | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 103          |           |           | 75.0-131  |          | 07/12/2020 15:59 | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 102          |           |           | 67.0-138  |          | 07/12/2020 15:59 | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 110          |           |           | 70.0-130  |          | 07/12/2020 15:59 | <a href="#">WG1507711</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 | 9.48         |           | 1.98      | 4.92      | 1        | 07/17/2020 00:20 | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 49.5         |           | 0.337     | 4.92      | 1        | 07/17/2020 00:20 | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 55.2         |           |           | 18.0-148  |          | 07/17/2020 00:20 | <a href="#">WG1507584</a> |

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

Collected date/time: 07/08/20 16:00

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.2   |           | 1        | 07/14/2020 23:35     | <a href="#">WG1508708</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                  |           | 9.27            | 20.2            | 1        | 07/14/2020 03:13     | <a href="#">WG1507969</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        | 07/12/2020 04:07     | <a href="#">WG1507614</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.8               |           |                 | 77.0-120        |          | 07/12/2020 04:07     | <a href="#">WG1507614</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                  |           | 0.000471        | 0.00101         | 1        | 07/12/2020 16:18     | <a href="#">WG1507711</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00504         | 1        | 07/12/2020 16:18     | <a href="#">WG1507711</a> |
| Ethylbenzene              | U                  |           | 0.000743        | 0.00252         | 1        | 07/12/2020 16:18     | <a href="#">WG1507711</a> |
| Total Xylenes             | U                  |           | 0.000887        | 0.00655         | 1        | 07/12/2020 16:18     | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 07/12/2020 16:18     | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 98.6               |           |                 | 67.0-138        |          | 07/12/2020 16:18     | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 103                |           |                 | 70.0-130        |          | 07/12/2020 16:18     | <a href="#">WG1507711</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 | 1.86               | J         | 1.62            | 4.03            | 1        | 07/16/2020 12:19     | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 9.44               |           | 0.276           | 4.03            | 1        | 07/16/2020 12:19     | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 46.7               |           |                 | 18.0-148        |          | 07/16/2020 12:19     | <a href="#">WG1507584</a> |

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

Collected date/time: 07/08/20 16:30

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.7   |           | 1        | 07/14/2020 23:22     | <a href="#">WG1508709</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                  |           | 9.23            | 20.1            | 1        | 07/14/2020 03:31     | <a href="#">WG1507969</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                  |           | 0.0218          | 0.100           | 1        | 07/12/2020 04:29     | <a href="#">WG1507614</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.0               |           |                 | 77.0-120        |          | 07/12/2020 04:29     | <a href="#">WG1507614</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                  |           | 0.000468        | 0.00100         | 1        | 07/12/2020 16:38     | <a href="#">WG1507711</a> |
| Toluene                   | U                  |           | 0.00130         | 0.00501         | 1        | 07/12/2020 16:38     | <a href="#">WG1507711</a> |
| Ethylbenzene              | U                  |           | 0.000739        | 0.00251         | 1        | 07/12/2020 16:38     | <a href="#">WG1507711</a> |
| Total Xylenes             | U                  |           | 0.000883        | 0.00652         | 1        | 07/12/2020 16:38     | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 07/12/2020 16:38     | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 101                |           |                 | 67.0-138        |          | 07/12/2020 16:38     | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 108                |           |                 | 70.0-130        |          | 07/12/2020 16:38     | <a href="#">WG1507711</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 | 6.11               |           | 1.61            | 4.01            | 1        | 07/16/2020 23:39     | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 33.6               |           | 0.275           | 4.01            | 1        | 07/16/2020 23:39     | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 66.8               |           |                 | 18.0-148        |          | 07/16/2020 23:39     | <a href="#">WG1507584</a> |

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

Collected date/time: 07/08/20 17:00

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 87.5   |           | 1        | 07/14/2020 23:22     | <a href="#">WG1508709</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | U            |           | 10.5      | 22.8      | 1        | 07/14/2020 03:50     | <a href="#">WG1507969</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            |           | 0.0248    | 0.114     | 1        | 07/12/2020 04:52     | <a href="#">WG1507614</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.4         |           |           | 77.0-120  |          | 07/12/2020 04:52     | <a href="#">WG1507614</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000601  | 0.00129   | 1        | 07/12/2020 16:58     | <a href="#">WG1507711</a> |
| Toluene                   | U            |           | 0.00167   | 0.00643   | 1        | 07/12/2020 16:58     | <a href="#">WG1507711</a> |
| Ethylbenzene              | U            |           | 0.000948  | 0.00322   | 1        | 07/12/2020 16:58     | <a href="#">WG1507711</a> |
| Total Xylenes             | U            |           | 0.00113   | 0.00836   | 1        | 07/12/2020 16:58     | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 106          |           |           | 75.0-131  |          | 07/12/2020 16:58     | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 101          |           |           | 67.0-138  |          | 07/12/2020 16:58     | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 106          |           |           | 70.0-130  |          | 07/12/2020 16:58     | <a href="#">WG1507711</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 | 5.65         |           | 1.84      | 4.57      | 1        | 07/16/2020 23:53     | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 23.5         |           | 0.313     | 4.57      | 1        | 07/16/2020 23:53     | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 47.7         |           |           | 18.0-148  |          | 07/16/2020 23:53     | <a href="#">WG1507584</a> |

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



Collected date/time: 07/08/20 17:30

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 99.6   |           | 1        | 07/14/2020 23:22 | <a href="#">WG1508709</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 | 49.4         |           | 9.23      | 20.1      | 1        | 07/14/2020 04:08 | <a href="#">WG1507969</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    | 0.100     | 1        | 07/12/2020 05:14 | <a href="#">WG1507614</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 99.0         |           |           | 77.0-120  |          | 07/12/2020 05:14 | <a href="#">WG1507614</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            |           | 0.000469  | 0.00100   | 1        | 07/12/2020 17:18 | <a href="#">WG1507711</a> |
| Toluene                   | U            |           | 0.00130   | 0.00502   | 1        | 07/12/2020 17:18 | <a href="#">WG1507711</a> |
| Ethylbenzene              | U            |           | 0.000740  | 0.00251   | 1        | 07/12/2020 17:18 | <a href="#">WG1507711</a> |
| Total Xylenes             | U            |           | 0.000883  | 0.00652   | 1        | 07/12/2020 17:18 | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 106          |           |           | 75.0-131  |          | 07/12/2020 17:18 | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 101          |           |           | 67.0-138  |          | 07/12/2020 17:18 | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 97.7         |           |           | 70.0-130  |          | 07/12/2020 17:18 | <a href="#">WG1507711</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 | 21.6         |           | 1.62      | 4.01      | 1        | 07/17/2020 00:06 | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 97.3         |           | 0.275     | 4.01      | 1        | 07/17/2020 00:06 | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 59.0         |           |           | 18.0-148  |          | 07/17/2020 00:06 | <a href="#">WG1507584</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 07/08/20 18:30

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.9   |           | 1        | 07/14/2020 23:22     | <a href="#">WG1508709</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                  |           | 9.90            | 21.5            | 1        | 07/14/2020 04:27     | <a href="#">WG1507969</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                  |           | 0.0234          | 0.108           | 1        | 07/12/2020 05:36     | <a href="#">WG1507614</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.6               |           |                 | 77.0-120        |          | 07/12/2020 05:36     | <a href="#">WG1507614</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                  |           | 0.000503        | 0.00108         | 1        | 07/12/2020 17:38     | <a href="#">WG1507711</a> |
| Toluene                   | U                  |           | 0.00140         | 0.00538         | 1        | 07/12/2020 17:38     | <a href="#">WG1507711</a> |
| Ethylbenzene              | U                  |           | 0.000793        | 0.00269         | 1        | 07/12/2020 17:38     | <a href="#">WG1507711</a> |
| Total Xylenes             | U                  |           | 0.000947        | 0.00700         | 1        | 07/12/2020 17:38     | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 106                |           |                 | 75.0-131        |          | 07/12/2020 17:38     | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 99.1               |           |                 | 67.0-138        |          | 07/12/2020 17:38     | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 103                |           |                 | 70.0-130        |          | 07/12/2020 17:38     | <a href="#">WG1507711</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 | 10.1               |           | 1.73            | 4.31            | 1        | 07/16/2020 22:31     | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 36.3               |           | 0.295           | 4.31            | 1        | 07/16/2020 22:31     | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 61.7               |           |                 | 18.0-148        |          | 07/16/2020 22:31     | <a href="#">WG1507584</a> |

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

Collected date/time: 07/08/20 19:00

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.1   |           | 1        | 07/14/2020 23:22     | <a href="#">WG1508709</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 | 13.1               | J         | 9.29            | 20.2            | 1        | 07/14/2020 04:45     | <a href="#">WG1507969</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        | 07/12/2020 05:58     | <a href="#">WG1507614</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.5               |           |                 | 77.0-120        |          | 07/12/2020 05:58     | <a href="#">WG1507614</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                  |           | 0.000471        | 0.00101         | 1        | 07/12/2020 17:58     | <a href="#">WG1507711</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00505         | 1        | 07/12/2020 17:58     | <a href="#">WG1507711</a> |
| Ethylbenzene              | U                  |           | 0.000744        | 0.00252         | 1        | 07/12/2020 17:58     | <a href="#">WG1507711</a> |
| Total Xylenes             | U                  |           | 0.000888        | 0.00656         | 1        | 07/12/2020 17:58     | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 107                |           |                 | 75.0-131        |          | 07/12/2020 17:58     | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 98.9               |           |                 | 67.0-138        |          | 07/12/2020 17:58     | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 97.5               |           |                 | 70.0-130        |          | 07/12/2020 17:58     | <a href="#">WG1507711</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 | 4.35               |           | 1.63            | 4.04            | 1        | 07/16/2020 14:14     | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 28.2               |           | 0.277           | 4.04            | 1        | 07/16/2020 14:14     | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 51.8               |           |                 | 18.0-148        |          | 07/16/2020 14:14     | <a href="#">WG1507584</a> |

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

Collected date/time: 07/08/20 19:30

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 99.3   |           | 1        | 07/14/2020 23:22 | <a href="#">WG1508709</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 | 16.6         | J         | 9.27      | 20.1      | 1        | 07/14/2020 05:03 | <a href="#">WG1507969</a> |

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

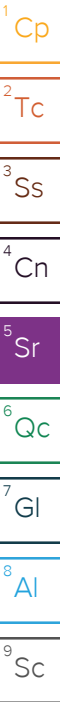
| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0219    | 0.101     | 1        | 07/12/2020 06:21 | <a href="#">WG1507614</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.2         |           |           | 77.0-120  |          | 07/12/2020 06:21 | <a href="#">WG1507614</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            |           | 0.000470  | 0.00101   | 1        | 07/12/2020 18:18 | <a href="#">WG1507711</a> |
| Toluene                   | U            |           | 0.00131   | 0.00504   | 1        | 07/12/2020 18:18 | <a href="#">WG1507711</a> |
| Ethylbenzene              | U            |           | 0.000742  | 0.00252   | 1        | 07/12/2020 18:18 | <a href="#">WG1507711</a> |
| Total Xylenes             | U            |           | 0.000886  | 0.00655   | 1        | 07/12/2020 18:18 | <a href="#">WG1507711</a> |
| (S) Toluene-d8            | 104          |           |           | 75.0-131  |          | 07/12/2020 18:18 | <a href="#">WG1507711</a> |
| (S) 4-Bromofluorobenzene  | 101          |           |           | 67.0-138  |          | 07/12/2020 18:18 | <a href="#">WG1507711</a> |
| (S) 1,2-Dichloroethane-d4 | 108          |           |           | 70.0-130  |          | 07/12/2020 18:18 | <a href="#">WG1507711</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 | 7.36         |           | 1.62      | 4.03      | 1        | 07/16/2020 22:45 | <a href="#">WG1507584</a> |
| C28-C40 Oil Range    | 40.1         |           | 0.276     | 4.03      | 1        | 07/16/2020 22:45 | <a href="#">WG1507584</a> |
| (S) o-Terphenyl      | 48.2         |           |           | 18.0-148  |          | 07/16/2020 22:45 | <a href="#">WG1507584</a> |



Collected date/time: 07/08/20 20:00

L1238345

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.7   |           | 1        | 07/14/2020 23:22 | <a href="#">WG1508709</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 | 53.9         |           | 9.42      | 20.5      | 1        | 07/14/2020 05:22 | <a href="#">WG1507969</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        | 07/12/2020 06:43 | <a href="#">WG1507614</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 99.2         |           |           | 77.0-120  |          | 07/12/2020 06:43 | <a href="#">WG1507614</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                          | 0.000717     | J         | 0.000478  | 0.00102   | 1        | 07/14/2020 13:17 | <a href="#">WG1507972</a> |
| Toluene                          | 0.00141      | J         | 0.00133   | 0.00512   | 1        | 07/14/2020 13:17 | <a href="#">WG1507972</a> |
| Ethylbenzene                     | U            |           | 0.000755  | 0.00256   | 1        | 07/14/2020 13:17 | <a href="#">WG1507972</a> |
| Total Xylenes                    | 0.00102      | J         | 0.000901  | 0.00665   | 1        | 07/14/2020 13:17 | <a href="#">WG1507972</a> |
| (S) <i>Toluene-d8</i>            | 103          |           |           | 75.0-131  |          | 07/14/2020 13:17 | <a href="#">WG1507972</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 94.9         |           |           | 67.0-138  |          | 07/14/2020 13:17 | <a href="#">WG1507972</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 94.2         |           |           | 70.0-130  |          | 07/14/2020 13:17 | <a href="#">WG1507972</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    | 7.58         |           | 1.65      | 4.10      | 1        | 07/16/2020 22:58 | <a href="#">WG1507584</a> |
| C28-C40 Oil Range       | 37.6         |           | 0.281     | 4.10      | 1        | 07/16/2020 22:58 | <a href="#">WG1507584</a> |
| (S) <i>o</i> -Terphenyl | 60.3         |           |           | 18.0-148  |          | 07/16/2020 22:58 | <a href="#">WG1507584</a> |

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

Total Solids by Method 2540 G-2011

[L1238345-01,02,03,04,05,06,07,08](#)

### Method Blank (MB)

(MB) R3549748-1 07/14/20 23:35

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

### L1238345-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1238345-01 07/14/20 23:35 • (DUP) R3549748-3 07/14/20 23:35

| Analyte      | Original Result<br>% | DUP Result<br>% | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits |
|--------------|----------------------|-----------------|----------|--------------|---------------|-------------------|
| Total Solids | 93.4                 | 93.4            | 1        | 0.00139      |               | 10                |

### Laboratory Control Sample (LCS)

(LCS) R3549748-2 07/14/20 23:35

| 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         |               |

<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 L1238345-09,10,11,13,14,15,16

Method Blank (MB)

(MB) R3549745-1 07/14/20 23:22

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

L1238345-13 Original Sample (OS) • Duplicate (DUP)

(OS) L1238345-13 07/14/20 23:22 • (DUP) R3549745-3 07/14/20 23:22

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 92.9            | 93.2       | 1        | 0.341   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3549745-2 07/14/20 23:22

| 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

L1238345-01,02,03,04,05,06,07,08,09,10,11,13,14,15,16

Method Blank (MB)

(MB) R3549168-1 07/13/20 22:36

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

L1238345-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1238345-04 07/14/20 00:27 • (DUP) R3549168-3 07/14/20 00:45

| 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 | U                                 | U                            | 1        | 0.000        |               | 20                     |

L1238345-16 Original Sample (OS) • Duplicate (DUP)

(OS) L1238345-16 07/14/20 05:22 • (DUP) R3549168-6 07/14/20 06:17

| 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 | 53.9                              | 54.0                         | 1        | 0.178        |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3549168-2 07/13/20 22:55

| 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         |               |

L1238345-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238345-06 07/14/20 01:22 • (MS) R3549168-4 07/14/20 01:41 • (MSD) R3549168-5 07/14/20 02:36

| 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>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 583                            | U                                 | 591                      | 596                          | 101          | 102           | 1        | 80.0-120         |              |               | 0.871    | 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

L1238345-01,02,03,04,05,06

Method Blank (MB)

(MB) R3550217-2 07/11/20 23:40

| 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) | 92.6               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3550217-1 07/11/20 22:58

| 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                  | 5.48                | 99.6          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 108           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1238345-07,08,09,10,11,13,14,15,16

Method Blank (MB)

(MB) R3550799-3 07/12/20 03:23

| 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) | 99.8               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3550799-2 07/12/20 02:14

| 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                  | 4.71                | 85.6          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 101           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1238345-01,02,03,04,05,06,07,08,09,10,11,13,14,15

Method Blank (MB)

(MB) R3549987-2 07/12/20 12:46

| 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            | 103                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 101                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 105                |              |                 | 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) R3549987-1 07/12/20 11:46

| 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                 | 0.134               | 107           | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.106               | 84.8          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.347               | 92.5          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 103           | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 102           | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 105           | 70.0-130         |               |

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

L1238345-16

Method Blank (MB)

(MB) R3550795-2 07/14/20 10:15

| 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            | 102                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 97.2               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 91.0               |              |                 | 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) R3550795-1 07/14/20 09:18

| 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                 | 0.118               | 94.4          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.116               | 92.8          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.382               | 102           | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 94.7          | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 103           | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 101           | 70.0-130         |               |

L1238436-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238436-03 07/14/20 16:46 • (MS) R3550795-3 07/14/20 19:36 • (MSD) R3550795-4 07/14/20 19:55

| Analyte                   | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry) | MS Result (dry) | MSD Result<br>(dry) | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|--------------------------------|--------------------------|-----------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.125                          | 0.00130                  | 0.187           | 0.183               | 96.9         | 94.5          | 1        | 10.0-149         |              |               | 2.49     | 37              |
| Ethylbenzene              | 0.125                          | U                        | 0.181           | 0.175               | 94.4         | 91.2          | 1        | 10.0-160         |              |               | 3.45     | 38              |
| Toluene                   | 0.125                          | U                        | 0.193           | 0.189               | 101          | 98.4          | 1        | 10.0-156         |              |               | 2.41     | 38              |
| Xylenes, Total            | 0.375                          | U                        | 0.560           | 0.430               | 97.3         | 74.7          | 1        | 10.0-160         |              |               | 26.4     | 38              |
| (S) Toluene-d8            |                                |                          |                 |                     | 99.2         | 99.3          |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                          |                 |                     | 93.9         | 93.4          |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                          |                 |                     | 101          | 102           |          | 70.0-130         |              |               |          |                 |

Semi-Volatile Organic Compounds (GC) by Method 8015

L1238345-01,02,03,04,05,06,07,08,09,10,11,13,14,15,16

Method Blank (MB)

(MB) R3550539-1 07/16/20 10:51

| 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    | 0.442              | J            | 0.274           | 4.00            |
| (S) o-Terphenyl      | 49.4               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3550539-2 07/16/20 11:06

| 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                  | 33.0                | 66.0          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 82.3          | 18.0-148         |               |

L1238345-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1238345-03 07/16/20 11:19 • (MS) R3550539-3 07/16/20 11:34 • (MSD) R3550539-4 07/16/20 11:52

| 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 | 59.0                           | U                                 | 32.9                     | 39.2                         | 55.8         | 66.3          | 1        | 50.0-150         |              |               | 17.4     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 59.2         | 116           |          | 18.0-148         |              |               |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Guide to Reading and Understanding Your Laboratory Report

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

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

## Abbreviations and Definitions

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

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

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

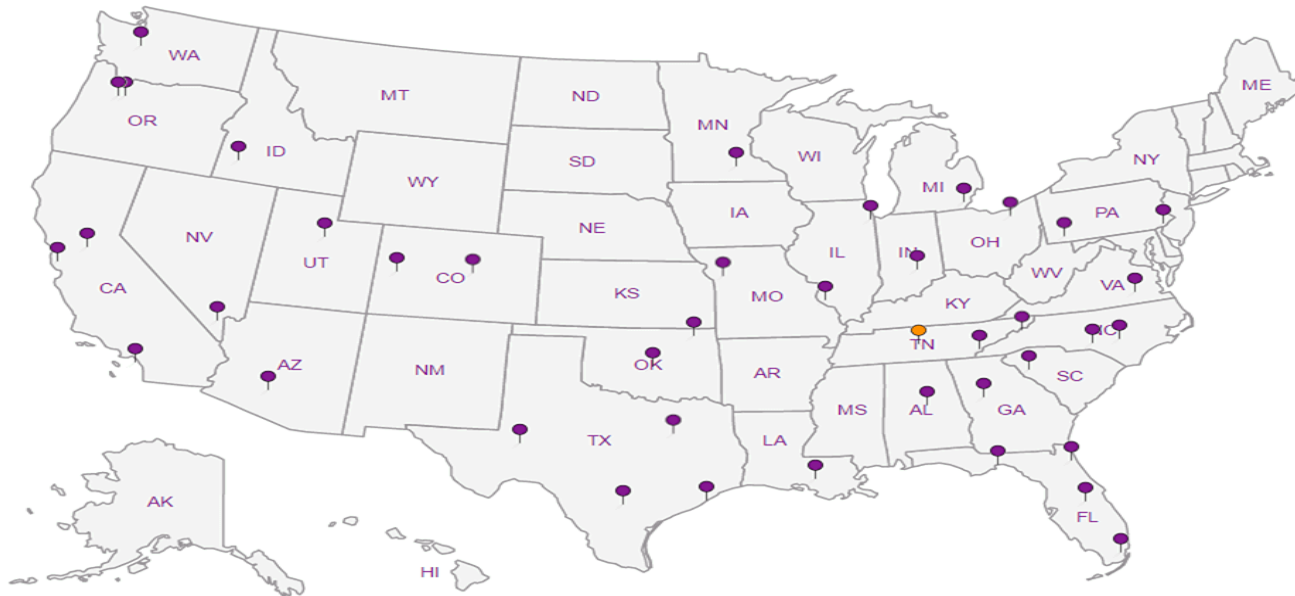
## Third Party Federal Accreditations

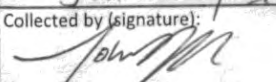
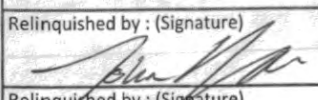
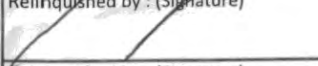
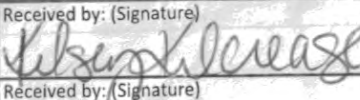
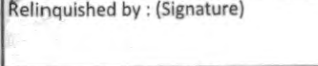
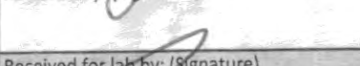
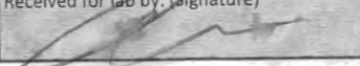
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|-------------------------------|---------|---------------------|---------------|
| A2LA – ISO 17025              | 1461.01 | AIHA-LAP, LLC EMLAP | 100789        |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 | DOD                 | 1461.01       |
| 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

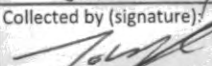
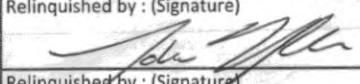
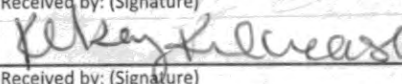
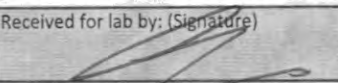
## Our Locations

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.



|                                                                                                                                            |  |  |  |                                                                                                                                                                                                                                                                                                         |  |           |  |                                                                                                                          |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |
|--------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-----------|--|--------------------------------------------------------------------------------------------------------------------------|--|---------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|
| <b>ConocoPhillips - Tetra Tech</b><br>901 West Wall<br>Suite 100<br>Midland, TX 79701<br>Report to:<br><b>Christian Llull</b>              |  |  |  | Billing Information:<br><b>Accounts Payable</b><br>901 West Wall<br>Suite 100<br>Midland, TX 79701<br>Email To: christian.llull@tetrattech.com                                                                                                                                                          |  |           |  | Analysis / Container / Preservative<br>Pres Chk                                                                          |  |               |  | Chain of Custody Page 1 of 2<br><br>12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  |
|                                                                                                                                            |  |  |  | Project Description:<br><b>COP MCA 2-C Header Release</b>                                                                                                                                                                                                                                               |  |           |  | City/State Collected: <b>Holbrook, NM</b>                                                                                |  |               |  | Please Circle:<br>PT MT <b>CT</b> ET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |  |  |  |
| Phone: <b>512-338-1667</b>                                                                                                                 |  |  |  | Client Project #<br><b>212C-MD-02119</b>                                                                                                                                                                                                                                                                |  |           |  | Lab Project #<br><b>COPTETRA-212CMD02119</b>                                                                             |  |               |  | CHLORIDE-300 4ozClr-NoPres<br>GRO,V8260BTEX 4ozClr-NoPres<br>TPH-DRO/ORO 4ozClr-NoPres                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |
| Collected by (print):<br><b>JOHN MYLER</b>                                                                                                 |  |  |  | Site/Facility ID #<br><b>LEA COUNTY, NEW MEXICO</b>                                                                                                                                                                                                                                                     |  |           |  | P.O. #                                                                                                                   |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |
| Collected by (signature):<br>                             |  |  |  | Rush? (Lab MUST Be Notified)<br><input type="checkbox"/> Same Day <input type="checkbox"/> Five Day<br><input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only)<br><input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only)<br><input type="checkbox"/> Three Day |  |           |  | Quote #                                                                                                                  |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |
| Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>                                                 |  |  |  | Date Results Needed<br><b>Standard, No Rush</b>                                                                                                                                                                                                                                                         |  |           |  | No. of Cntrs                                                                                                             |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |
| Sample ID                                                                                                                                  |  |  |  | Comp/Grab                                                                                                                                                                                                                                                                                               |  | Matrix *  |  | Depth                                                                                                                    |  | Date          |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |
| <b>AH-1S</b>                                                                                                                               |  |  |  | <b>Grab</b>                                                                                                                                                                                                                                                                                             |  | <b>SS</b> |  | <b>0'-1'</b>                                                                                                             |  | <b>7/8/20</b> |  | <b>12:00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>AH-1S</b>                                                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                         |  | <b>SS</b> |  | <b>2'-3'</b>                                                                                                             |  |               |  | <b>12:30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>AH-5S</b>                                                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                         |  | <b>SS</b> |  | <b>0'-1'</b>                                                                                                             |  |               |  | <b>13:30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>AH-5S</b>                                                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                         |  | <b>SS</b> |  | <b>2'-3'</b>                                                                                                             |  |               |  | <b>14:00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>AH-7W</b>                                                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                         |  | <b>SS</b> |  | <b>0'-1'</b>                                                                                                             |  |               |  | <b>14:30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>AH-7W</b>                                                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                         |  | <b>SS</b> |  | <b>2'-3'</b>                                                                                                             |  |               |  | <b>15:00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>AH-7E</b>                                                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                         |  | <b>SS</b> |  | <b>0'-1'</b>                                                                                                             |  |               |  | <b>15:30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>AH-7E</b>                                                                                                                               |  |  |  |                                                                                                                                                                                                                                                                                                         |  | <b>SS</b> |  | <b>2'-3'</b>                                                                                                             |  |               |  | <b>16:00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>AH-11W</b>                                                                                                                              |  |  |  |                                                                                                                                                                                                                                                                                                         |  | <b>SS</b> |  | <b>0'-1'</b>                                                                                                             |  |               |  | <b>16:30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| <b>AH-11W</b>                                                                                                                              |  |  |  |                                                                                                                                                                                                                                                                                                         |  | <b>SS</b> |  | <b>2'-3'</b>                                                                                                             |  |               |  | <b>17:00</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |  |  |  |
| * Matrix:<br>SS - Soil   AIR - Air   F - Filter<br>GW - Groundwater   B - Bioassay<br>WW - WasteWater<br>DW - Drinking Water<br>OT - Other |  |  |  | Remarks: <b>RED COOLER</b>                                                                                                                                                                                                                                                                              |  |           |  | pH _____ Temp _____<br>Flow _____ Other _____                                                                            |  |               |  | Sample Receipt Checklist<br>COC Seal Present/Intact: <input type="checkbox"/> NP <input type="checkbox"/> N<br>COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>If Applicable<br>VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |  |  |  |
| Samples returned via:<br><input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier                      |  |  |  | Tracking # <b>4510 1659 5120</b>                                                                                                                                                                                                                                                                        |  |           |  | Relinquished by: (Signature)<br>      |  |               |  | Date: <b>7/9/20</b> Time: <b>10:30</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |
| Relinquished by: (Signature)<br>                        |  |  |  | Date: _____ Time: _____                                                                                                                                                                                                                                                                                 |  |           |  | Received by: (Signature)<br>         |  |               |  | Trip Blank Received: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/><br>HCL/MeOH TBR                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |  |  |  |
| Relinquished by: (Signature)<br>                        |  |  |  | Date: _____ Time: _____                                                                                                                                                                                                                                                                                 |  |           |  | Received by: (Signature)<br>         |  |               |  | Temp: <b>27.1°C</b> Bottles Received: <b>16</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |
| Relinquished by: (Signature)<br>                        |  |  |  | Date: _____ Time: _____                                                                                                                                                                                                                                                                                 |  |           |  | Received for lab by: (Signature)<br> |  |               |  | Date: <b>7-10-20</b> Time: <b>0830</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |  |  |  |
| Hold:                                                                                                                                      |  |  |  | Condition: <b>NCF A OK</b>                                                                                                                                                                                                                                                                              |  |           |  | If preservation required by Login: Date/Time                                                                             |  |               |  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  |



|                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                         |          |                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---|------------------------------------------------------------------------------------------------------------|---|-------------------------------------------------|--|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>ConocoPhillips - Tetra Tech</b><br>901 West Wall<br>Suite 100<br>Midland TX 79701<br>Report to:<br><b>Christian Llull</b><br>Project Description:<br><b>COP MCA 2-C Header Release</b> |  |                                                                                                                                                                                                                                                                                                         |          | Billing Information:<br><b>Accounts Payable</b><br><b>901 West Wall</b><br><b>Suite 100</b><br><b>Midland, TX 79701</b><br>Email To: christian.llull@tetrattech.com |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   | Analysis / Container / Preservative<br>Pres Chk                                                            |   |                                                 |  | Chain of Custody Page <b>2</b> of <b>2</b><br><br>12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859<br> |  |
|                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                         |          | City/State Collected: <b>Hobbs, NM</b> Please Circle:<br>PT MT <b>ET</b>                                                                                            |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   | CHLORIDE-300 4ozClr-NoPres<br>GRO,V8260BTEX 4ozClr-NoPres<br>TPH-DRO/ORO 4ozClr-NoPres                     |   |                                                 |  | SDG # <b>U238345</b><br>Table #<br>Acctnum: <b>COPTETRA</b><br>Template: <b>T170394</b><br>Prelogin: <b>P784175</b><br>PM: <b>526 - Chris McCord</b><br>PB: <b>7/1/20 nm</b><br>Shipped Via: <b>FedEX Ground</b>                                                                                                                         |  |
| Phone: <b>512-338-1667</b>                                                                                                                                                                |  | Client Project #<br><b>212C-MD-02119</b>                                                                                                                                                                                                                                                                |          | Lab Project #<br><b>COPTETRA-212CMD02119</b>                                                                                                                        |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| Collected by (print):<br><b>JOHN MYLER</b>                                                                                                                                                |  | Site/Facility ID #<br><b>LEA COUNTY, NEW MEXICO</b>                                                                                                                                                                                                                                                     |          | P.O. #                                                                                                                                                              |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| Collected by (signature):<br>                                                                            |  | Rush? (Lab MUST Be Notified)<br><input type="checkbox"/> Same Day <input type="checkbox"/> Five Day<br><input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only)<br><input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only)<br><input type="checkbox"/> Three Day |          | Quote #<br>Date Results Needed<br><b>Standard, No Rush</b>                                                                                                          |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/> X                                                                                              |  | No. of Cntrs                                                                                                                                                                                                                                                                                            |          |                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| Sample ID                                                                                                                                                                                 |  | Comp/Grab                                                                                                                                                                                                                                                                                               | Matrix * | Depth                                                                                                                                                               | Date    | Time                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| AH-9W                                                                                                                                                                                     |  | Grab                                                                                                                                                                                                                                                                                                    | SS       | 0'-1'                                                                                                                                                               | 7/18/20 | 17:30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | 1 | X                                                                                                          | X | X                                               |  |                                                                                                                                                                                                                                                                                                                                          |  |
| AH-9W                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                         | SS       | 2'-3'                                                                                                                                                               |         | 18:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| AH-9N                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                         | SS       | 0'-1'                                                                                                                                                               |         | 18:30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| AH-9N                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                         | SS       | 2'-3'                                                                                                                                                               |         | 19:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| AH-8W                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                         | SS       | 0'-1'                                                                                                                                                               |         | 19:30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| AH-8W                                                                                                                                                                                     |  |                                                                                                                                                                                                                                                                                                         | SS       | 2'-3'                                                                                                                                                               |         | 20:00                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| Trip-Blank-1                                                                                                                                                                              |  |                                                                                                                                                                                                                                                                                                         | SS       | -                                                                                                                                                                   | -       | -                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                         | SS       |                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                         | SS       |                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
|                                                                                                                                                                                           |  |                                                                                                                                                                                                                                                                                                         | SS       |                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| * Matrix:<br>SS - Soil AIR - Air F - Filter<br>GW - Groundwater B - Bioassay<br>WW - WasteWater<br>DW - Drinking Water<br>OT - Other                                                      |  | Remarks: <b>RED-COOLER</b><br>pH _____ Temp _____<br>Flow _____ Other _____                                                                                                                                                                                                                             |          |                                                                                                                                                                     |         | Sample Receipt Checklist<br>COC Seal Present/Intact: <input checked="" type="checkbox"/> NP <input type="checkbox"/> N<br>COC Signed/Accurate: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Bottles arrive intact: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Correct bottles used: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Sufficient volume sent: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>If Applicable<br>VOA Zero Headspace: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>Preservation Correct/Checked: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N<br>RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> Y <input type="checkbox"/> N |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| Samples returned via:<br><input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier                                                                     |  | Tracking #                                                                                                                                                                                                                                                                                              |          |                                                                                                                                                                     |         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |   |                                                                                                            |   |                                                 |  |                                                                                                                                                                                                                                                                                                                                          |  |
| Relinquished by: (Signature)<br>                                                                       |  | Date: <b>7/19/20</b>                                                                                                                                                                                                                                                                                    |          | Time: <b>10:30</b>                                                                                                                                                  |         | Received by: (Signature)<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |   | Trip Blank Received: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No<br>HCL / MeOH TBR |   | Temp: <b>27.7°C</b> Bottles Received: <b>16</b> |  | If preservation required by Login: Date/Time                                                                                                                                                                                                                                                                                             |  |
| Relinquished by: (Signature)<br>                                                                       |  | Date:                                                                                                                                                                                                                                                                                                   |          | Time:                                                                                                                                                               |         | Received by: (Signature)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   | Date:                                                                                                      |   | Time:                                           |  | Hold:                                                                                                                                                                                                                                                                                                                                    |  |
| Relinquished by: (Signature)                                                                                                                                                              |  | Date:                                                                                                                                                                                                                                                                                                   |          | Time:                                                                                                                                                               |         | Received for lab by: (Signature)<br>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |   | Date: <b>7-18-20</b>                                                                                       |   | Time: <b>0850</b>                               |  | Condition: <b>NCF</b>                                                                                                                                                                                                                                                                                                                    |  |

**Troy Dunlap**

|                   |                  |               |                           |
|-------------------|------------------|---------------|---------------------------|
| Login #: L1238345 | Client: COPTETRA | Date: 7/10/20 | Evaluated by: Troy Dunlap |
|-------------------|------------------|---------------|---------------------------|

**Non-Conformance (check applicable items)**

| Sample Integrity               | Chain of Custody Clarification                   | If Broken Container:                                 |
|--------------------------------|--------------------------------------------------|------------------------------------------------------|
| Parameter(s) past holding time | X Login Clarification Needed                     | Insufficient packing material around container       |
| Temperature not in range       | Chain of custody is incomplete                   | Insufficient packing material inside cooler          |
| Improper container type        | Please specify Metals requested.                 | Improper handling by carrier (FedEx / UPS / Courier) |
| pH not in range.               | Please specify TCLP requested.                   | Sample was frozen                                    |
| Insufficient sample volume.    | Received additional samples not listed on coc.   | Container lid not intact                             |
| Sample is biphasic.            | Sample ids on containers do not match ids on coc | <b>If no Chain of Custody:</b>                       |
| Vials received with headspace. | Trip Blank not received.                         | Received by:                                         |
| Broken container               | Client did not "X" analysis.                     | Date/Time:                                           |
| Broken container:              | Chain of Custody is missing                      | Temp./Cont. Rec./pH:                                 |
| Sufficient sample remains      |                                                  | Carrier:                                             |
|                                |                                                  | Tracking#                                            |

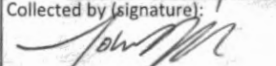
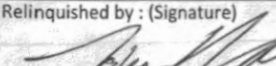
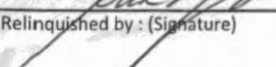
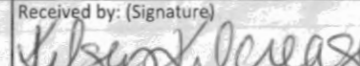
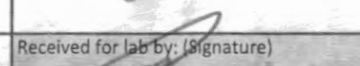
**Login Comments: Sample AH-9W 2-3FT received empty.**

|                     |                 |       |            |               |       |
|---------------------|-----------------|-------|------------|---------------|-------|
| Client informed by: | Call            | Email | Voice Mail | Date: 7/13/20 | 14:01 |
| TSR Initials: CM    | Client Contact: |       |            |               |       |

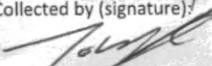
Join Instructions

Client notified.



|                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                         |          |                                                                                                                                         |         |                                                                                                                               |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
|--------------------------------------------------------------------------------------------------------------------------------------|--|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|-----------------------------------------------------------------------------------------------------------------------------------------|---------|-------------------------------------------------------------------------------------------------------------------------------|---|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|
| <b>ConocoPhillips - Tetra Tech</b><br>901 West Wall<br>Suite 100<br>Midland, TX 79701<br>Report to:<br><b>Christian Llull</b>        |  |                                                                                                                                                                                                                                                                                                         |          | Billing Information:<br>Accounts Payable<br>901 West Wall<br>Suite 100<br>Midland, TX 79701<br>Email To: christian.llull@tetrattech.com |         |                                                                                                                               |   | Chain of Custody Page 1 of 2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                  |                                                                                                                                                                                                     |  |
|                                                                                                                                      |  |                                                                                                                                                                                                                                                                                                         |          | Project Description:<br>COP MCA 2-C Header Release                                                                                      |         | City/State Collected: <b>Hobbs, NM</b>                                                                                        |   | Please Circle:<br>PT MT <b>CT</b> ET                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                  | <br>12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859 |  |
| Phone: <b>512-338-1667</b>                                                                                                           |  | Client Project #<br><b>212C-MD-02119</b>                                                                                                                                                                                                                                                                |          | Lab Project #<br><b>COPTETRA-212CMD02119</b>                                                                                            |         | Analysis / Container / Preservative<br>CHLORIDE-300 4ozClr-NoPres<br>GRO,V8260BTEX 4ozClr-NoPres<br>TPH-DRO/ORO 4ozClr-NoPres |   | <b>D135</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |                                  |                                                                                                                                                                                                     |  |
| Collected by (print):<br><b>JOHN MYLER</b>                                                                                           |  | Site/Facility ID #<br><b>LEA COUNTY, NEW MEXICO</b>                                                                                                                                                                                                                                                     |          | P.O. #                                                                                                                                  |         |                                                                                                                               |   | Table #<br><b>41238345</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                  | Acctnum: <b>COPTETRA</b>                                                                                                                                                                            |  |
| Collected by (signature):<br>                       |  | Rush? (Lab MUST Be Notified)<br><input type="checkbox"/> Same Day <input type="checkbox"/> Five Day<br><input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only)<br><input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only)<br><input type="checkbox"/> Three Day |          | Quote #                                                                                                                                 |         |                                                                                                                               |   | Template: <b>T170394</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  | Prelogin: <b>P784175</b>                                                                                                                                                                            |  |
| Immediately Packed on Ice N <input type="checkbox"/> Y <input checked="" type="checkbox"/>                                           |  | Date Results Needed<br><b>Standard, No Rush</b>                                                                                                                                                                                                                                                         |          | No. of Cntrs                                                                                                                            |         |                                                                                                                               |   | PM: <b>526 - Chris McCord</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                  | PB: <b>7/1/20 MO</b>                                                                                                                                                                                |  |
| Sample ID                                                                                                                            |  | Comp/Grab                                                                                                                                                                                                                                                                                               | Matrix * | Depth                                                                                                                                   | Date    | Time                                                                                                                          |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Shipped Via: <b>FedEX Ground</b> |                                                                                                                                                                                                     |  |
| <b>AH-1S-2</b>                                                                                                                       |  | Grab                                                                                                                                                                                                                                                                                                    | SS       | 0'-1'                                                                                                                                   | 7/18/20 | 12:00                                                                                                                         | 1 | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | X                                | X                                                                                                                                                                                                   |  |
| <b>AH-1S-2</b>                                                                                                                       |  |                                                                                                                                                                                                                                                                                                         | SS       | 2'-3'                                                                                                                                   |         | 12:30                                                                                                                         | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
| <b>AH-5S-2</b>                                                                                                                       |  |                                                                                                                                                                                                                                                                                                         | SS       | 0'-1'                                                                                                                                   |         | 13:30                                                                                                                         | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
| <b>AH-5S-2</b>                                                                                                                       |  |                                                                                                                                                                                                                                                                                                         | SS       | 2'-3'                                                                                                                                   |         | 14:00                                                                                                                         | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
| <b>AH-7W-2</b>                                                                                                                       |  |                                                                                                                                                                                                                                                                                                         | SS       | 0'-1'                                                                                                                                   |         | 14:30                                                                                                                         | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
| <b>AH-7W-2</b>                                                                                                                       |  |                                                                                                                                                                                                                                                                                                         | SS       | 2'-3'                                                                                                                                   |         | 15:00                                                                                                                         | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
| <b>AH-7E-2</b>                                                                                                                       |  |                                                                                                                                                                                                                                                                                                         | SS       | 0'-1'                                                                                                                                   |         | 15:30                                                                                                                         | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
| <b>AH-7E-2</b>                                                                                                                       |  |                                                                                                                                                                                                                                                                                                         | SS       | 2'-3'                                                                                                                                   |         | 16:00                                                                                                                         | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
| <b>AH-11W-2</b>                                                                                                                      |  |                                                                                                                                                                                                                                                                                                         | SS       | 0'-1'                                                                                                                                   |         | 16:30                                                                                                                         | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
| <b>AH-11W-2</b>                                                                                                                      |  |                                                                                                                                                                                                                                                                                                         | SS       | 2'-3'                                                                                                                                   |         | 17:00                                                                                                                         | 1 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |
| * Matrix:<br>SS - Soil AIR - Air F - Filter<br>GW - Groundwater B - Bioassay<br>WW - WasteWater<br>DW - Drinking Water<br>OT - Other |  | Remarks: <b>RED COOLER</b>                                                                                                                                                                                                                                                                              |          |                                                                                                                                         |         | pH _____ Temp _____<br>Flow _____ Other _____                                                                                 |   | Sample Receipt Checklist<br>COC Seal Present/Intact: NP <input checked="" type="checkbox"/> N<br>COC Signed/Accurate: <input checked="" type="checkbox"/> N<br>Bottles arrive intact: <input checked="" type="checkbox"/> N<br>Correct bottles used: <input checked="" type="checkbox"/> N<br>Sufficient volume sent: <input checked="" type="checkbox"/> N<br>If Applicable<br>VOA Zero Headspace: <input checked="" type="checkbox"/> N<br>Preservation Correct/Checked: <input checked="" type="checkbox"/> N<br>RAD Screen <0.5 mR/hr: <input checked="" type="checkbox"/> N |                                  |                                                                                                                                                                                                     |  |
| Samples returned via:<br><input type="checkbox"/> UPS <input type="checkbox"/> FedEx <input type="checkbox"/> Courier                |  | Tracking # <b>4510 1659 5120</b>                                                                                                                                                                                                                                                                        |          |                                                                                                                                         |         | Relinquished by: (Signature)<br>           |   | Date: <b>7/19/20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                  | Time: <b>10:30</b>                                                                                                                                                                                  |  |
| Relinquished by: (Signature)<br>                  |  | Date:                                                                                                                                                                                                                                                                                                   |          | Time:                                                                                                                                   |         | Received by: (Signature)<br>              |   | Trip Blank Received: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                  | HCL / MeOH TBR                                                                                                                                                                                      |  |
| Relinquished by: (Signature)                                                                                                         |  | Date:                                                                                                                                                                                                                                                                                                   |          | Time:                                                                                                                                   |         | Received by: (Signature)                                                                                                      |   | Temp: <b>47.1°C</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                                  | Bottles Received: <b>16</b>                                                                                                                                                                         |  |
| Relinquished by: (Signature)                                                                                                         |  | Date:                                                                                                                                                                                                                                                                                                   |          | Time:                                                                                                                                   |         | Received for lab by: (Signature)<br>      |   | Date: <b>7-10-20</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                                  | Time: <b>0830</b>                                                                                                                                                                                   |  |
| Hold:                                                                                                                                |  | Condition:                                                                                                                                                                                                                                                                                              |          | NCF <b>OK</b>                                                                                                                           |         |                                                                                                                               |   |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                  |                                                                                                                                                                                                     |  |



| <b>ConocoPhillips - Tetra Tech</b><br>901 West Wall<br>Suite 100<br>Midland TX 79701<br>Report to:<br><b>Christian Llull</b> |           |                                                                                                                                                                                                                                                                                                         |       | Billing Information:<br><b>Accounts Payable</b><br>901 West Wall<br>Suite 100<br>Midland, TX 79701<br>Email To: christian.llull@tetrattech.com |       |              |                            | Analysis / Container / Preservative<br>Pres Chk |                           |                                   |  | Chain of Custody Page <b>2 of 2</b><br><br>12065 Lebanon Rd<br>Mount Juliet, TN 37122<br>Phone: 615-758-5858<br>Phone: 800-767-5859<br>Fax: 615-758-5859<br> |     |
|------------------------------------------------------------------------------------------------------------------------------|-----------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------|------------------------------------------------------------------------------------------------------------------------------------------------|-------|--------------|----------------------------|-------------------------------------------------|---------------------------|-----------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
|                                                                                                                              |           |                                                                                                                                                                                                                                                                                                         |       | Project Description:<br><b>COP MCA 2-C Header Release</b>                                                                                      |       |              |                            | City/State Collected: <b>Hobbs, NM</b>          |                           | Please Circle:<br>PT MT <b>ET</b> |  |                                                                                                                                                                                                                                                                                                                                   |     |
| Phone: <b>512-338-1667</b>                                                                                                   |           | Client Project #<br><b>212C-MD-02119</b>                                                                                                                                                                                                                                                                |       | Lab Project #<br><b>COPTETRA-212CMD02119</b>                                                                                                   |       |              |                            |                                                 |                           |                                   |  | SDG # <b>U238345</b>                                                                                                                                                                                                                                                                                                              |     |
| Collected by (print):<br><b>JOHN MYLER</b>                                                                                   |           | Site/Facility ID #<br><b>LEA COUNTY, NEW MEXICO</b>                                                                                                                                                                                                                                                     |       | P.O. #                                                                                                                                         |       |              |                            |                                                 |                           |                                   |  | Table #                                                                                                                                                                                                                                                                                                                           |     |
| Collected by (signature):<br>               |           | Rush? (Lab MUST Be Notified)<br><input type="checkbox"/> Same Day <input type="checkbox"/> Five Day<br><input type="checkbox"/> Next Day <input type="checkbox"/> 5 Day (Rad Only)<br><input type="checkbox"/> Two Day <input type="checkbox"/> 10 Day (Rad Only)<br><input type="checkbox"/> Three Day |       | Quote #                                                                                                                                        |       |              |                            |                                                 |                           |                                   |  | Acctnum: <b>COPTETRA</b><br>Template: <b>T170394</b><br>Prelogin: <b>P784175</b><br>PM: <b>526 - Chris McCord</b><br>PB: <b>7/1/20 nm</b>                                                                                                                                                                                         |     |
| Immediately Packed on Ice <b>N Y X</b>                                                                                       |           | Date Results Needed<br><b>Standard, No Rush</b>                                                                                                                                                                                                                                                         |       | No. of Cntrs                                                                                                                                   |       |              |                            |                                                 |                           |                                   |  | Shipped Via: <b>FedEX Ground</b>                                                                                                                                                                                                                                                                                                  |     |
| Sample ID                                                                                                                    | Comp/Grab | Matrix *                                                                                                                                                                                                                                                                                                | Depth | Date                                                                                                                                           | Time  | No. of Cntrs | CHLORIDE-300 4ozClr-NoPres | GRO,V8260BTEX 4ozClr-NoPres                     | TPH-DRO/ORO 4ozClr-NoPres |                                   |  |                                                                                                                                                                                                                                                                                                                                   |     |
| AH-9W-2                                                                                                                      | Grab      | SS                                                                                                                                                                                                                                                                                                      | 0'-1' | 7/18/20                                                                                                                                        | 17:30 | 1            | X                          | X                                               | X                         |                                   |  |                                                                                                                                                                                                                                                                                                                                   | -11 |
| AH-9W-2                                                                                                                      | ↓         | SS                                                                                                                                                                                                                                                                                                      | 2'-3' | ↓                                                                                                                                              | 18:00 | ↓            | ↓                          | ↓                                               | ↓                         |                                   |  |                                                                                                                                                                                                                                                                                                                                   | -12 |
| AH-9N                                                                                                                        | ↓         | SS                                                                                                                                                                                                                                                                                                      | 0'-1' | ↓                                                                                                                                              | 18:30 | ↓            | ↓                          | ↓                                               | ↓                         |                                   |  |                                                                                                                                                                                                                                                                                                                                   | -13 |
| AH-9N                                                                                                                        | ↓         | SS                                                                                                                                                                                                                                                                                                      | 2'-3' | ↓                                                                                                                                              | 19:00 | ↓            | ↓                          | ↓                                               | ↓                         |                                   |  |                                                                                                                                                                                                                                                                                                                                   | -14 |
| AH-8W-2                                                                                                                      | ↓         | SS                                                                                                                                                                                                                                                                                                      | 0'-1' | ↓                                                                                                                                              | 19:30 | ↓            | ↓                          | ↓                                               | ↓                         |                                   |  |                                                                                                                                                                                                                                                                                                                                   | -15 |
| AH-8W-2                                                                                                                      | ↓         | SS                                                                                                                                                                                                                                                                                                      | 2'-3' | ↓                                                                                                                                              | 20:00 | ↓            | ↓                          | ↓                                               | ↓                         |                                   |  |                                                                                                                                                                                                                                                                                                                                   | -16 |
| Trip-Blank-1                                                                                                                 | -         | SS                                                                                                                                                                                                                                                                                                      | -     | -                                                                                                                                              | -     | ↓            |                            |                                                 |                           |                                   |  |                                                                                                                                                                                                                                                                                                                                   | -17 |
|                                                                                                                              |           | SS                                                                                                                                                                                                                                                                                                      |       |                                                                                                                                                |       |              |                            |                                                 |                           |                                   |  |                                                                                                                                                                                                                                                                                                                                   |     |
|                                                                                                                              |           | SS                                                                                                                                                                                                                                                                                                      |       |                                                                                                                                                |       |              |                            |                                                 |                           |                                   |  |                                                                                                                                                                                                                                                                                                                                   |     |
|                                                                                                                              |           | SS                                                                                                                                                                                                                                                                                                      |       |                                                                                                                                                |       |              |                            |                                                 |                           |                                   |  |                                                                                                                                                                                                                                                                                                                                   |     |

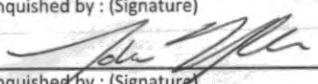
\* Matrix:  
 SS - Soil   AIR - Air   F - Filter  
 GW - Groundwater   B - Bioassay  
 WW - WasteWater  
 DW - Drinking Water  
 OT - Other \_\_\_\_\_

Remarks: **RED-COOLER**

pH \_\_\_\_\_ Temp \_\_\_\_\_  
 Flow \_\_\_\_\_ Other \_\_\_\_\_

Samples returned via:  
 \_\_\_ UPS \_\_\_ FedEx \_\_\_ Courier \_\_\_\_\_

Tracking # \_\_\_\_\_

Relinquished by: (Signature) 

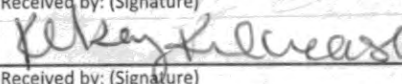
Date: **7/19/20** Time: **10:30**

Relinquished by: (Signature) \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

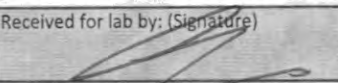
Relinquished by: (Signature) \_\_\_\_\_

Date: \_\_\_\_\_ Time: \_\_\_\_\_

Received by: (Signature) 

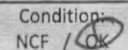
Trip Blank Received: **Yes** No  
 HCL / MeOH TBR

Temp: **27.7°C** Bottles Received: **16**

Received for lab by: (Signature) 

Date: **7-18-20** Time: **0850**

If preservation required by Login: Date/Time \_\_\_\_\_

Hold: \_\_\_\_\_ Condition: **NCF** 

## Sample Receipt Checklist

|                               |    |                                     |   |
|-------------------------------|----|-------------------------------------|---|
| COC Seal Present/Intact:      | NP | <input checked="" type="checkbox"/> | N |
| COC Signed/Accurate:          |    | <input checked="" type="checkbox"/> | N |
| Bottles arrive intact:        |    | <input checked="" type="checkbox"/> | N |
| Correct bottles used:         |    | <input checked="" type="checkbox"/> | N |
| Sufficient volume sent:       |    | <input checked="" type="checkbox"/> | N |
| If Applicable                 |    |                                     |   |
| VOA Zero Headspace:           |    | <input checked="" type="checkbox"/> | N |
| Preservation Correct/Checked: |    | <input checked="" type="checkbox"/> | N |
| RAD Screen <0.5 mR/hr:        |    | <input checked="" type="checkbox"/> | N |

## Chris McCord

---

**From:** Dickerson, Ryan <[Ryan.Dickerson@tetrattech.com](mailto:Ryan.Dickerson@tetrattech.com)>  
**Sent:** Tuesday, July 21, 2020 1:37 PM  
**To:** Chris McCord  
**Cc:** Llull, Christian  
**Subject:** L1238345 COC Revision  
**Attachments:** COC edits\_L1238345.pdf

**CAUTION:** This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Chris,  
Can you revise the L1238345 Report to match the attached revised COC? Add "-2" to all samples except AH-9N. We have samples from the site with those sample IDs and need to distinguish the latest samples.

Thanks,

**Ryan Dickerson** | Senior Staff Geologist  
Direct +1 (512) 338-2889 | Main +1 (512) 338-1667 | Cell +1 (512) 217-7254 | [ryan.dickerson@tetrattech.com](mailto:ryan.dickerson@tetrattech.com)

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TETRA TECH





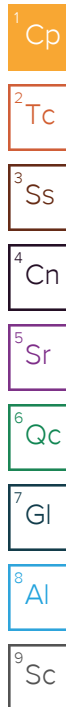
## ANALYTICAL REPORT

August 07, 2020

Revised Report

**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1243725  
Samples Received: 07/25/2020  
Project Number: 212C-MD-02119  
Description: COP MCA 2-C Header Release  
Site: LEA COUNTY, NEW MEXICO  
Report To: Christian Llull  
901 West Wall  
Suite 100  
Midland, TX 79701



Entire Report Reviewed By:

Erica McNeese  
Project Manager

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



|                                                     |    |
|-----------------------------------------------------|----|
| Cp: Cover Page                                      | 1  |
| Tc: Table of Contents                               | 2  |
| Ss: Sample Summary                                  | 3  |
| Cn: Case Narrative                                  | 6  |
| Sr: Sample Results                                  | 7  |
| AH-1E-2 (0-1') L1243725-01                          | 7  |
| AH-1E-2 (2-3') L1243725-02                          | 8  |
| AH-1S-3 (0-1') L1243725-03                          | 9  |
| AH-1S-3 (2-3') L1243725-04                          | 10 |
| AH-1S-3 (4-5') L1243725-05                          | 11 |
| AH-3W (0-1') L1243725-06                            | 12 |
| AH-3W (2-3') L1243725-07                            | 13 |
| AH-5W-2 (0-1') L1243725-08                          | 14 |
| AH-5W-2 (2-3') L1243725-09                          | 15 |
| AH-9W-3 (0-1') L1243725-10                          | 16 |
| AH-9W-3 (2-3') L1243725-11                          | 17 |
| AH-1S-4 (0-1') L1243725-12                          | 18 |
| AH-1S-4 (2-3') L1243725-13                          | 19 |
| AH-1S-4 (4-5') L1243725-14                          | 20 |
| Qc: Quality Control Summary                         | 21 |
| Total Solids by Method 2540 G-2011                  | 21 |
| Wet Chemistry by Method 300.0                       | 24 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 25 |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 30 |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 32 |
| Gl: Glossary of Terms                               | 35 |
| Al: Accreditations & Locations                      | 36 |
| Sc: Sample Chain of Custody                         | 37 |



## AH-1E-2 (0-1') L1243725-01 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518215 | 1        | 07/31/20 23:47        | 07/31/20 23:56     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 00:05     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1517753 | 1        | 07/28/20 23:31        | 07/30/20 19:12     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517242 | 1        | 07/28/20 23:31        | 07/30/20 01:13     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1517866 | 1        | 08/02/20 09:00        | 08/02/20 22:48     | JN      | Mt. Juliet, TN |

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

## AH-1E-2 (2-3') L1243725-02 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518215 | 1        | 07/31/20 23:47        | 07/31/20 23:56     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 00:15     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1517753 | 1        | 07/28/20 23:31        | 07/30/20 19:35     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517242 | 1        | 07/28/20 23:31        | 07/30/20 01:33     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1517866 | 1        | 08/02/20 09:00        | 08/02/20 23:01     | JN      | Mt. Juliet, TN |

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

## AH-1S-3 (0-1') L1243725-03 Solid

Collected by Devin Dominguez  
Collected date/time 07/24/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 00:34     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1518312 | 1        | 07/28/20 23:31        | 07/31/20 19:02     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517242 | 1        | 07/28/20 23:31        | 07/30/20 01:54     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1517866 | 1        | 08/02/20 09:00        | 08/02/20 23:14     | JN      | Mt. Juliet, TN |

<sup>9</sup> Sc

## AH-1S-3 (2-3') L1243725-04 Solid

Collected by Devin Dominguez  
Collected date/time 07/24/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 00:43     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1517753 | 1        | 07/28/20 23:31        | 07/30/20 20:31     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517242 | 1        | 07/28/20 23:31        | 07/30/20 02:13     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1517866 | 1        | 08/02/20 09:00        | 08/02/20 23:27     | JN      | Mt. Juliet, TN |

## AH-1S-3 (4-5') L1243725-05 Solid

Collected by Devin Dominguez  
Collected date/time 07/24/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 10       | 07/30/20 11:47        | 07/31/20 01:12     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1517753 | 1        | 07/28/20 23:31        | 07/30/20 20:54     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517242 | 1.56     | 07/28/20 23:31        | 07/30/20 02:33     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518501 | 1        | 08/01/20 08:47        | 08/01/20 14:28     | JDG     | Mt. Juliet, TN |

## AH-3W (0-1') L1243725-06 Solid

Collected by Devin Dominguez  
Collected date/time 07/24/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 01:40     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1517753 | 1        | 07/28/20 23:31        | 07/30/20 21:16     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517242 | 1.11     | 07/28/20 23:31        | 07/30/20 02:53     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518501 | 3        | 08/01/20 08:47        | 08/03/20 01:48     | JN      | Mt. Juliet, TN |

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

## AH-3W (2-3') L1243725-07 Solid

Collected by Devin Dominguez  
Collected date/time 07/24/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 01:50     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1518116 | 1        | 07/28/20 23:31        | 07/31/20 18:36     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517242 | 1        | 07/28/20 23:31        | 07/30/20 03:14     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518501 | 2.98     | 08/01/20 08:47        | 08/03/20 01:35     | JN      | Mt. Juliet, TN |

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

## AH-5W-2 (0-1') L1243725-08 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 01:59     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1518116 | 1        | 07/28/20 23:31        | 07/31/20 18:57     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517242 | 1        | 07/28/20 23:31        | 07/30/20 03:34     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518501 | 2.91     | 08/01/20 08:47        | 08/01/20 17:30     | JDG     | Mt. Juliet, TN |

<sup>9</sup> Sc

## AH-5W-2 (2-3') L1243725-09 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 02:09     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1518116 | 1        | 07/28/20 23:31        | 07/31/20 19:18     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517242 | 1        | 07/28/20 23:31        | 07/30/20 03:54     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518501 | 2.79     | 08/01/20 08:47        | 08/03/20 02:00     | JN      | Mt. Juliet, TN |

## AH-9W-3 (0-1') L1243725-10 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 02:18     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1518152 | 1        | 07/28/20 23:31        | 07/31/20 13:51     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517296 | 1        | 07/28/20 23:31        | 07/30/20 07:09     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518501 | 1        | 08/01/20 08:47        | 08/01/20 15:33     | JDG     | Mt. Juliet, TN |

## AH-9W-3 (2-3') L1243725-11 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 02:28     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1518152 | 1        | 07/28/20 23:31        | 07/31/20 14:13     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517296 | 1        | 07/28/20 23:31        | 07/30/20 07:29     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518501 | 2.96     | 08/01/20 08:47        | 08/01/20 14:54     | JDG     | Mt. Juliet, TN |

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

## AH-1S-4 (0-1') L1243725-12 Solid

Collected by Devin Dominguez  
Collected date/time 07/24/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518216 | 1        | 07/31/20 23:35        | 07/31/20 23:44     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 02:37     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1518152 | 1.01     | 07/28/20 23:31        | 07/31/20 15:21     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517296 | 1        | 07/28/20 23:31        | 07/30/20 07:49     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518400 | 1        | 07/31/20 12:52        | 08/01/20 02:00     | TH      | Mt. Juliet, TN |

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

## AH-1S-4 (2-3') L1243725-13 Solid

Collected by Devin Dominguez  
Collected date/time 07/24/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518217 | 1        | 07/31/20 22:59        | 07/31/20 23:33     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 02:47     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1519012 | 1        | 07/28/20 23:31        | 08/02/20 10:41     | JHH     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517296 | 1        | 07/28/20 23:31        | 07/30/20 08:09     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518501 | 1        | 08/01/20 08:47        | 08/01/20 14:41     | JDG     | Mt. Juliet, TN |

<sup>9</sup> Sc

## AH-1S-4 (4-5') L1243725-14 Solid

Collected by Devin Dominguez  
Collected date/time 07/24/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1518217 | 1        | 07/31/20 22:59        | 07/31/20 23:33     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1516371 | 1        | 07/30/20 11:47        | 07/31/20 02:57     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1518152 | 1        | 07/28/20 23:31        | 07/31/20 16:05     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1517296 | 1        | 07/28/20 23:31        | 07/30/20 08:29     | BMB     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1518400 | 1        | 07/31/20 12:52        | 07/31/20 22:47     | TH      | Mt. Juliet, TN |

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

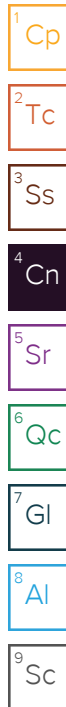


Erica McNeese  
Project Manager

#### Report Revision History

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Level II Report - Version 1: 08/04/20 07:50



Collected date/time: 07/23/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.2   |           | 1        | 07/31/2020 23:56     | <a href="#">WG1518215</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                  |           | 9.76            | 21.2            | 1        | 07/31/2020 00:05     | <a href="#">WG1516371</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        | 07/30/2020 19:12     | <a href="#">WG1517753</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101                |           |                 | 77.0-120        |          | 07/30/2020 19:12     | <a href="#">WG1517753</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                  |           | 0.000496        | 0.00106         | 1        | 07/30/2020 01:13     | <a href="#">WG1517242</a> |
| Toluene                   | U                  |           | 0.00138         | 0.00531         | 1        | 07/30/2020 01:13     | <a href="#">WG1517242</a> |
| Ethylbenzene              | U                  |           | 0.000782        | 0.00265         | 1        | 07/30/2020 01:13     | <a href="#">WG1517242</a> |
| Total Xylenes             | U                  |           | 0.000934        | 0.00690         | 1        | 07/30/2020 01:13     | <a href="#">WG1517242</a> |
| (S) Toluene-d8            | 106                |           |                 | 75.0-131        |          | 07/30/2020 01:13     | <a href="#">WG1517242</a> |
| (S) 4-Bromofluorobenzene  | 102                |           |                 | 67.0-138        |          | 07/30/2020 01:13     | <a href="#">WG1517242</a> |
| (S) 1,2-Dichloroethane-d4 | 106                |           |                 | 70.0-130        |          | 07/30/2020 01:13     | <a href="#">WG1517242</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        | 08/02/2020 22:48     | <a href="#">WG1517866</a> |
| C28-C40 Oil Range    | 1.59               | J         | 0.291           | 4.24            | 1        | 08/02/2020 22:48     | <a href="#">WG1517866</a> |
| (S) o-Terphenyl      | 71.9               |           |                 | 18.0-148        |          | 08/02/2020 22:48     | <a href="#">WG1517866</a> |

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



Collected date/time: 07/23/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.0   |           | 1        | 07/31/2020 23:56     | <a href="#">WG1518215</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                  |           | 9.68            | 21.0            | 1        | 07/31/2020 00:15     | <a href="#">WG1516371</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                  |           | 0.0228          | 0.105           | 1        | 07/30/2020 19:35     | <a href="#">WG1517753</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101                |           |                 | 77.0-120        |          | 07/30/2020 19:35     | <a href="#">WG1517753</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        | 07/30/2020 01:33     | <a href="#">WG1517242</a> |
| Toluene                   | U                  |           | 0.00137         | 0.00526         | 1        | 07/30/2020 01:33     | <a href="#">WG1517242</a> |
| Ethylbenzene              | U                  |           | 0.000775        | 0.00263         | 1        | 07/30/2020 01:33     | <a href="#">WG1517242</a> |
| Total Xylenes             | U                  |           | 0.000926        | 0.00684         | 1        | 07/30/2020 01:33     | <a href="#">WG1517242</a> |
| (S) Toluene-d8            | 107                |           |                 | 75.0-131        |          | 07/30/2020 01:33     | <a href="#">WG1517242</a> |
| (S) 4-Bromofluorobenzene  | 106                |           |                 | 67.0-138        |          | 07/30/2020 01:33     | <a href="#">WG1517242</a> |
| (S) 1,2-Dichloroethane-d4 | 113                |           |                 | 70.0-130        |          | 07/30/2020 01:33     | <a href="#">WG1517242</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                  |           | 1.69            | 4.21            | 1        | 08/02/2020 23:01     | <a href="#">WG1517866</a> |
| C28-C40 Oil Range    | 3.96               | J         | 0.288           | 4.21            | 1        | 08/02/2020 23:01     | <a href="#">WG1517866</a> |
| (S) o-Terphenyl      | 72.8               |           |                 | 18.0-148        |          | 08/02/2020 23:01     | <a href="#">WG1517866</a> |

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

Collected date/time: 07/24/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 82.6   |           | 1        | 07/31/2020 23:44     | <a href="#">WG1518216</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                  |           | 11.1            | 24.2            | 1        | 07/31/2020 00:34     | <a href="#">WG1516371</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       | 0.0703             | <a href="#">J V3</a> | 0.0263          | 0.121           | 1        | 07/31/2020 19:02     | <a href="#">WG1518312</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102                |                      |                 | 77.0-120        |          | 07/31/2020 19:02     | <a href="#">WG1518312</a> |

## Sample Narrative:

L1243725-03 WG1518312: Previous run also had low IS/SURR recovery. Matrix effect.

## 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                  |           | 0.000664        | 0.00142         | 1        | 07/30/2020 01:54     | <a href="#">WG1517242</a> |
| Toluene                   | U                  |           | 0.00185         | 0.00711         | 1        | 07/30/2020 01:54     | <a href="#">WG1517242</a> |
| Ethylbenzene              | U                  |           | 0.00105         | 0.00356         | 1        | 07/30/2020 01:54     | <a href="#">WG1517242</a> |
| Total Xylenes             | U                  |           | 0.00125         | 0.00925         | 1        | 07/30/2020 01:54     | <a href="#">WG1517242</a> |
| (S) Toluene-d8            | 105                |           |                 | 75.0-131        |          | 07/30/2020 01:54     | <a href="#">WG1517242</a> |
| (S) 4-Bromofluorobenzene  | 103                |           |                 | 67.0-138        |          | 07/30/2020 01:54     | <a href="#">WG1517242</a> |
| (S) 1,2-Dichloroethane-d4 | 104                |           |                 | 70.0-130        |          | 07/30/2020 01:54     | <a href="#">WG1517242</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                  |                   | 1.95            | 4.84            | 1        | 08/02/2020 23:14     | <a href="#">WG1517866</a> |
| C28-C40 Oil Range    | 1.43               | <a href="#">J</a> | 0.332           | 4.84            | 1        | 08/02/2020 23:14     | <a href="#">WG1517866</a> |
| (S) o-Terphenyl      | 60.4               |                   |                 | 18.0-148        |          | 08/02/2020 23:14     | <a href="#">WG1517866</a> |

Collected date/time: 07/24/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.2   |           | 1        | 07/31/2020 23:44     | <a href="#">WG1518216</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 | 120                |           | 9.47            | 20.6            | 1        | 07/31/2020 00:43     | <a href="#">WG1516371</a> |

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

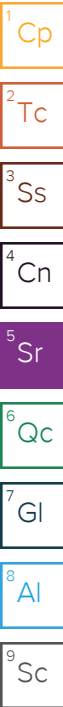
| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0223          | 0.103           | 1        | 07/30/2020 20:31     | <a href="#">WG1517753</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101                |           |                 | 77.0-120        |          | 07/30/2020 20:31     | <a href="#">WG1517753</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                  |           | 0.000481        | 0.00103         | 1        | 07/30/2020 02:13     | <a href="#">WG1517242</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00514         | 1        | 07/30/2020 02:13     | <a href="#">WG1517242</a> |
| Ethylbenzene              | U                  |           | 0.000758        | 0.00257         | 1        | 07/30/2020 02:13     | <a href="#">WG1517242</a> |
| Total Xylenes             | U                  |           | 0.000905        | 0.00669         | 1        | 07/30/2020 02:13     | <a href="#">WG1517242</a> |
| (S) Toluene-d8            | 108                |           |                 | 75.0-131        |          | 07/30/2020 02:13     | <a href="#">WG1517242</a> |
| (S) 4-Bromofluorobenzene  | 103                |           |                 | 67.0-138        |          | 07/30/2020 02:13     | <a href="#">WG1517242</a> |
| (S) 1,2-Dichloroethane-d4 | 103                |           |                 | 70.0-130        |          | 07/30/2020 02:13     | <a href="#">WG1517242</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        | 08/02/2020 23:27     | <a href="#">WG1517866</a> |
| C28-C40 Oil Range    | 1.75               | J         | 0.282           | 4.12            | 1        | 08/02/2020 23:27     | <a href="#">WG1517866</a> |
| (S) o-Terphenyl      | 81.6               |           |                 | 18.0-148        |          | 08/02/2020 23:27     | <a href="#">WG1517866</a> |



Collected date/time: 07/24/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 90.5   |           | 1        | 07/31/2020 23:44 | <a href="#">WG1518216</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 | 3250         |           | 102       | 221       | 10       | 07/31/2020 01:12 | <a href="#">WG1516371</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            |           | 0.0240    | 0.110     | 1        | 07/30/2020 20:54 | <a href="#">WG1517753</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           | 77.0-120  |          | 07/30/2020 20:54 | <a href="#">WG1517753</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            |           | 0.000805  | 0.00172   | 1.56     | 07/30/2020 02:33 | <a href="#">WG1517242</a> |
| Toluene                   | U            |           | 0.00224   | 0.00861   | 1.56     | 07/30/2020 02:33 | <a href="#">WG1517242</a> |
| Ethylbenzene              | U            |           | 0.00127   | 0.00431   | 1.56     | 07/30/2020 02:33 | <a href="#">WG1517242</a> |
| Total Xylenes             | U            |           | 0.00151   | 0.0112    | 1.56     | 07/30/2020 02:33 | <a href="#">WG1517242</a> |
| (S) Toluene-d8            | 105          |           |           | 75.0-131  |          | 07/30/2020 02:33 | <a href="#">WG1517242</a> |
| (S) 4-Bromofluorobenzene  | 103          |           |           | 67.0-138  |          | 07/30/2020 02:33 | <a href="#">WG1517242</a> |
| (S) 1,2-Dichloroethane-d4 | 105          |           |           | 70.0-130  |          | 07/30/2020 02:33 | <a href="#">WG1517242</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            |           | 1.78      | 4.42      | 1        | 08/01/2020 14:28 | <a href="#">WG1518501</a> |
| C28-C40 Oil Range    | 4.11         | J         | 0.303     | 4.42      | 1        | 08/01/2020 14:28 | <a href="#">WG1518501</a> |
| (S) o-Terphenyl      | 73.8         |           |           | 18.0-148  |          | 08/01/2020 14:28 | <a href="#">WG1518501</a> |

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

Collected date/time: 07/24/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.2   |           | 1        | 07/31/2020 23:44     | <a href="#">WG1518216</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                  |           | 9.47            | 20.6            | 1        | 07/31/2020 01:40     | <a href="#">WG1516371</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        | 07/30/2020 21:16     | <a href="#">WG1517753</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 100                |           |                 | 77.0-120        |          | 07/30/2020 21:16     | <a href="#">WG1517753</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         | 1.11     | 07/30/2020 02:53     | <a href="#">WG1517242</a> |
| Toluene                   | U                  |           | 0.00148         | 0.00571         | 1.11     | 07/30/2020 02:53     | <a href="#">WG1517242</a> |
| Ethylbenzene              | U                  |           | 0.000842        | 0.00286         | 1.11     | 07/30/2020 02:53     | <a href="#">WG1517242</a> |
| Total Xylenes             | U                  |           | 0.00101         | 0.00743         | 1.11     | 07/30/2020 02:53     | <a href="#">WG1517242</a> |
| (S) Toluene-d8            | 106                |           |                 | 75.0-131        |          | 07/30/2020 02:53     | <a href="#">WG1517242</a> |
| (S) 4-Bromofluorobenzene  | 104                |           |                 | 67.0-138        |          | 07/30/2020 02:53     | <a href="#">WG1517242</a> |
| (S) 1,2-Dichloroethane-d4 | 112                |           |                 | 70.0-130        |          | 07/30/2020 02:53     | <a href="#">WG1517242</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 | 5.95               | J         | 4.97            | 12.3            | 3        | 08/03/2020 01:48     | <a href="#">WG1518501</a> |
| C28-C40 Oil Range    | 31.0               |           | 0.846           | 12.3            | 3        | 08/03/2020 01:48     | <a href="#">WG1518501</a> |
| (S) o-Terphenyl      | 82.0               |           |                 | 18.0-148        |          | 08/03/2020 01:48     | <a href="#">WG1518501</a> |

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

Collected date/time: 07/24/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.6   |           | 1        | 07/31/2020 23:44 | <a href="#">WG1518216</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 | 40.0         |           | 9.42      | 20.5      | 1        | 07/31/2020 01:50 | <a href="#">WG1516371</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        | 07/31/2020 18:36 | <a href="#">WG1518116</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 88.7         |           |           | 77.0-120  |          | 07/31/2020 18:36 | <a href="#">WG1518116</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            |           | 0.000478  | 0.00102   | 1        | 07/30/2020 03:14 | <a href="#">WG1517242</a> |
| Toluene                          | U            |           | 0.00133   | 0.00512   | 1        | 07/30/2020 03:14 | <a href="#">WG1517242</a> |
| Ethylbenzene                     | U            |           | 0.000755  | 0.00256   | 1        | 07/30/2020 03:14 | <a href="#">WG1517242</a> |
| Total Xylenes                    | U            |           | 0.000901  | 0.00666   | 1        | 07/30/2020 03:14 | <a href="#">WG1517242</a> |
| (S) <i>Toluene-d8</i>            | 107          |           |           | 75.0-131  |          | 07/30/2020 03:14 | <a href="#">WG1517242</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 105          |           |           | 67.0-138  |          | 07/30/2020 03:14 | <a href="#">WG1517242</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 103          |           |           | 70.0-130  |          | 07/30/2020 03:14 | <a href="#">WG1517242</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            |           | 4.92      | 12.2      | 2.98     | 08/03/2020 01:35 | <a href="#">WG1518501</a> |
| C28-C40 Oil Range       | 19.8         |           | 0.837     | 12.2      | 2.98     | 08/03/2020 01:35 | <a href="#">WG1518501</a> |
| (S) <i>o</i> -Terphenyl | 84.4         |           |           | 18.0-148  |          | 08/03/2020 01:35 | <a href="#">WG1518501</a> |

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

Collected date/time: 07/23/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.1   |           | 1        | 07/31/2020 23:44     | <a href="#">WG1518216</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 | 11.4               | J         | 9.67            | 21.0            | 1        | 07/31/2020 01:59     | <a href="#">WG1516371</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       | 0.0239             | J         | 0.0228          | 0.105           | 1        | 07/31/2020 18:57     | <a href="#">WG1518116</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 89.7               |           |                 | 77.0-120        |          | 07/31/2020 18:57     | <a href="#">WG1518116</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        | 07/30/2020 03:34     | <a href="#">WG1517242</a> |
| Toluene                   | U                  |           | 0.00137         | 0.00526         | 1        | 07/30/2020 03:34     | <a href="#">WG1517242</a> |
| Ethylbenzene              | U                  |           | 0.000775        | 0.00263         | 1        | 07/30/2020 03:34     | <a href="#">WG1517242</a> |
| Total Xylenes             | U                  |           | 0.000925        | 0.00683         | 1        | 07/30/2020 03:34     | <a href="#">WG1517242</a> |
| (S) Toluene-d8            | 104                |           |                 | 75.0-131        |          | 07/30/2020 03:34     | <a href="#">WG1517242</a> |
| (S) 4-Bromofluorobenzene  | 99.4               |           |                 | 67.0-138        |          | 07/30/2020 03:34     | <a href="#">WG1517242</a> |
| (S) 1,2-Dichloroethane-d4 | 105                |           |                 | 70.0-130        |          | 07/30/2020 03:34     | <a href="#">WG1517242</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 | 21.4               |           | 4.93            | 12.2            | 2.91     | 08/01/2020 17:30     | <a href="#">WG1518501</a> |
| C28-C40 Oil Range    | 95.5               |           | 0.838           | 12.2            | 2.91     | 08/01/2020 17:30     | <a href="#">WG1518501</a> |
| (S) o-Terphenyl      | 79.4               |           |                 | 18.0-148        |          | 08/01/2020 17:30     | <a href="#">WG1518501</a> |

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



Collected date/time: 07/23/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.7   |           | 1        | 07/31/2020 23:44     | <a href="#">WG1518216</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 | 33.3               |           | 9.41            | 20.5            | 1        | 07/31/2020 02:09     | <a href="#">WG1516371</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        | 07/31/2020 19:18     | <a href="#">WG1518116</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 89.6               |           |                 | 77.0-120        |          | 07/31/2020 19:18     | <a href="#">WG1518116</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                  |           | 0.000478        | 0.00102         | 1        | 07/30/2020 03:54     | <a href="#">WG1517242</a> |
| Toluene                   | U                  |           | 0.00133         | 0.00512         | 1        | 07/30/2020 03:54     | <a href="#">WG1517242</a> |
| Ethylbenzene              | U                  |           | 0.000754        | 0.00256         | 1        | 07/30/2020 03:54     | <a href="#">WG1517242</a> |
| Total Xylenes             | U                  |           | 0.000901        | 0.00665         | 1        | 07/30/2020 03:54     | <a href="#">WG1517242</a> |
| (S) Toluene-d8            | 106                |           |                 | 75.0-131        |          | 07/30/2020 03:54     | <a href="#">WG1517242</a> |
| (S) 4-Bromofluorobenzene  | 103                |           |                 | 67.0-138        |          | 07/30/2020 03:54     | <a href="#">WG1517242</a> |
| (S) 1,2-Dichloroethane-d4 | 106                |           |                 | 70.0-130        |          | 07/30/2020 03:54     | <a href="#">WG1517242</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 | 14.2               |           | 4.59            | 11.5            | 2.79     | 08/03/2020 02:00     | <a href="#">WG1518501</a> |
| C28-C40 Oil Range    | 46.7               |           | 0.782           | 11.5            | 2.79     | 08/03/2020 02:00     | <a href="#">WG1518501</a> |
| (S) o-Terphenyl      | 83.3               |           |                 | 18.0-148        |          | 08/03/2020 02:00     | <a href="#">WG1518501</a> |

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

Collected date/time: 07/23/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.4   |           | 1        | 07/31/2020 23:44     | <a href="#">WG1518216</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 | 38.3               |           | 9.35            | 20.3            | 1        | 07/31/2020 02:18     | <a href="#">WG1516371</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                  |           | 0.0221          | 0.102           | 1        | 07/31/2020 13:51     | <a href="#">WG1518152</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102                |           |                 | 77.0-120        |          | 07/31/2020 13:51     | <a href="#">WG1518152</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        | 07/30/2020 07:09     | <a href="#">WG1517296</a> |
| Toluene                   | U                  |           | 0.00132         | 0.00508         | 1        | 07/30/2020 07:09     | <a href="#">WG1517296</a> |
| Ethylbenzene              | U                  |           | 0.000749        | 0.00254         | 1        | 07/30/2020 07:09     | <a href="#">WG1517296</a> |
| Total Xylenes             | U                  |           | 0.000894        | 0.00661         | 1        | 07/30/2020 07:09     | <a href="#">WG1517296</a> |
| (S) Toluene-d8            | 103                |           |                 | 75.0-131        |          | 07/30/2020 07:09     | <a href="#">WG1517296</a> |
| (S) 4-Bromofluorobenzene  | 102                |           |                 | 67.0-138        |          | 07/30/2020 07:09     | <a href="#">WG1517296</a> |
| (S) 1,2-Dichloroethane-d4 | 103                |           |                 | 70.0-130        |          | 07/30/2020 07:09     | <a href="#">WG1517296</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 | 4.00               | J         | 1.64            | 4.07            | 1        | 08/01/2020 15:33     | <a href="#">WG1518501</a> |
| C28-C40 Oil Range    | 15.4               |           | 0.278           | 4.07            | 1        | 08/01/2020 15:33     | <a href="#">WG1518501</a> |
| (S) o-Terphenyl      | 83.5               |           |                 | 18.0-148        |          | 08/01/2020 15:33     | <a href="#">WG1518501</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Collected date/time: 07/23/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.8   |           | 1        | 07/31/2020 23:44     | <a href="#">WG1518216</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                |           | 9.60            | 20.9            | 1        | 07/31/2020 02:28     | <a href="#">WG1516371</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        | 07/31/2020 14:13     | <a href="#">WG1518152</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102                |           |                 | 77.0-120        |          | 07/31/2020 14:13     | <a href="#">WG1518152</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        | 07/30/2020 07:29     | <a href="#">WG1517296</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00522         | 1        | 07/30/2020 07:29     | <a href="#">WG1517296</a> |
| Ethylbenzene              | U                  |           | 0.000769        | 0.00261         | 1        | 07/30/2020 07:29     | <a href="#">WG1517296</a> |
| Total Xylenes             | U                  |           | 0.000918        | 0.00678         | 1        | 07/30/2020 07:29     | <a href="#">WG1517296</a> |
| (S) Toluene-d8            | 106                |           |                 | 75.0-131        |          | 07/30/2020 07:29     | <a href="#">WG1517296</a> |
| (S) 4-Bromofluorobenzene  | 103                |           |                 | 67.0-138        |          | 07/30/2020 07:29     | <a href="#">WG1517296</a> |
| (S) 1,2-Dichloroethane-d4 | 114                |           |                 | 70.0-130        |          | 07/30/2020 07:29     | <a href="#">WG1517296</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                  |           | 4.98            | 12.3            | 2.96     | 08/01/2020 14:54     | <a href="#">WG1518501</a> |
| C28-C40 Oil Range    | 9.73               | J         | 0.846           | 12.3            | 2.96     | 08/01/2020 14:54     | <a href="#">WG1518501</a> |
| (S) o-Terphenyl      | 79.8               |           |                 | 18.0-148        |          | 08/01/2020 14:54     | <a href="#">WG1518501</a> |

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

Collected date/time: 07/24/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.9   |           | 1        | 07/31/2020 23:44     | <a href="#">WG1518216</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 | 31.1               |           | 10.1            | 22.0            | 1        | 07/31/2020 02:37     | <a href="#">WG1516371</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                  |           | 0.0241          | 0.111           | 1.01     | 07/31/2020 15:21     | <a href="#">WG1518152</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102                |           |                 | 77.0-120        |          | 07/31/2020 15:21     | <a href="#">WG1518152</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                  |           | 0.000514        | 0.00110         | 1        | 07/30/2020 07:49     | <a href="#">WG1517296</a> |
| Toluene                   | U                  |           | 0.00143         | 0.00550         | 1        | 07/30/2020 07:49     | <a href="#">WG1517296</a> |
| Ethylbenzene              | U                  |           | 0.000811        | 0.00275         | 1        | 07/30/2020 07:49     | <a href="#">WG1517296</a> |
| Total Xylenes             | U                  |           | 0.000968        | 0.00715         | 1        | 07/30/2020 07:49     | <a href="#">WG1517296</a> |
| (S) Toluene-d8            | 104                |           |                 | 75.0-131        |          | 07/30/2020 07:49     | <a href="#">WG1517296</a> |
| (S) 4-Bromofluorobenzene  | 101                |           |                 | 67.0-138        |          | 07/30/2020 07:49     | <a href="#">WG1517296</a> |
| (S) 1,2-Dichloroethane-d4 | 112                |           |                 | 70.0-130        |          | 07/30/2020 07:49     | <a href="#">WG1517296</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 | 8.26               |           | 1.77            | 4.40            | 1        | 08/01/2020 02:00     | <a href="#">WG1518400</a> |
| C28-C40 Oil Range    | 28.2               |           | 0.302           | 4.40            | 1        | 08/01/2020 02:00     | <a href="#">WG1518400</a> |
| (S) o-Terphenyl      | 76.9               |           |                 | 18.0-148        |          | 08/01/2020 02:00     | <a href="#">WG1518400</a> |

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

Collected date/time: 07/24/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 86.9   |           | 1        | 07/31/2020 23:33     | <a href="#">WG1518217</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 | 35.9         |           | 10.6      | 23.0      | 1        | 07/31/2020 02:47     | <a href="#">WG1516371</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            |           | 0.0250    | 0.115     | 1        | 08/02/2020 10:41     | <a href="#">WG1519012</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 90.1         |           |           | 77.0-120  |          | 08/02/2020 10:41     | <a href="#">WG1519012</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000608  | 0.00130   | 1        | 07/30/2020 08:09     | <a href="#">WG1517296</a> |
| Toluene                   | U            |           | 0.00169   | 0.00651   | 1        | 07/30/2020 08:09     | <a href="#">WG1517296</a> |
| Ethylbenzene              | U            |           | 0.000959  | 0.00325   | 1        | 07/30/2020 08:09     | <a href="#">WG1517296</a> |
| Total Xylenes             | U            |           | 0.00115   | 0.00846   | 1        | 07/30/2020 08:09     | <a href="#">WG1517296</a> |
| (S) Toluene-d8            | 104          |           |           | 75.0-131  |          | 07/30/2020 08:09     | <a href="#">WG1517296</a> |
| (S) 4-Bromofluorobenzene  | 99.7         |           |           | 67.0-138  |          | 07/30/2020 08:09     | <a href="#">WG1517296</a> |
| (S) 1,2-Dichloroethane-d4 | 115          |           |           | 70.0-130  |          | 07/30/2020 08:09     | <a href="#">WG1517296</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            |           | 1.85      | 4.60      | 1        | 08/01/2020 14:41     | <a href="#">WG1518501</a> |
| C28-C40 Oil Range    | 1.43         | J         | 0.315     | 4.60      | 1        | 08/01/2020 14:41     | <a href="#">WG1518501</a> |
| (S) o-Terphenyl      | 75.0         |           |           | 18.0-148  |          | 08/01/2020 14:41     | <a href="#">WG1518501</a> |

Collected date/time: 07/24/20 00:00

L1243725

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 93.9   |           | 1        | 07/31/2020 23:33 | <a href="#">WG1518217</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 | 25.6         |           | 9.80      | 21.3      | 1        | 07/31/2020 02:57 | <a href="#">WG1516371</a> |

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

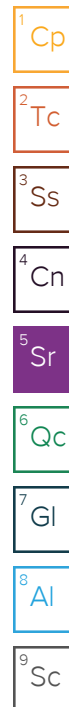
| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0231    | 0.107     | 1        | 07/31/2020 16:05 | <a href="#">WG1518152</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102          |           |           | 77.0-120  |          | 07/31/2020 16:05 | <a href="#">WG1518152</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            |           | 0.000498  | 0.00107   | 1        | 07/30/2020 08:29 | <a href="#">WG1517296</a> |
| Toluene                   | U            |           | 0.00139   | 0.00533   | 1        | 07/30/2020 08:29 | <a href="#">WG1517296</a> |
| Ethylbenzene              | U            |           | 0.000785  | 0.00266   | 1        | 07/30/2020 08:29 | <a href="#">WG1517296</a> |
| Total Xylenes             | U            |           | 0.000938  | 0.00693   | 1        | 07/30/2020 08:29 | <a href="#">WG1517296</a> |
| (S) Toluene-d8            | 107          |           |           | 75.0-131  |          | 07/30/2020 08:29 | <a href="#">WG1517296</a> |
| (S) 4-Bromofluorobenzene  | 106          |           |           | 67.0-138  |          | 07/30/2020 08:29 | <a href="#">WG1517296</a> |
| (S) 1,2-Dichloroethane-d4 | 114          |           |           | 70.0-130  |          | 07/30/2020 08:29 | <a href="#">WG1517296</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            |           | 1.72      | 4.26      | 1        | 07/31/2020 22:47 | <a href="#">WG1518400</a> |
| C28-C40 Oil Range    | 4.00         | J         | 0.292     | 4.26      | 1        | 07/31/2020 22:47 | <a href="#">WG1518400</a> |
| (S) o-Terphenyl      | 75.2         |           |           | 18.0-148  |          | 07/31/2020 22:47 | <a href="#">WG1518400</a> |



Total Solids by Method 2540 G-2011 L1243725-01,02

Method Blank (MB)

(MB) R3555383-1 07/31/20 23:56

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

L1243725-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1243725-01 07/31/20 23:56 • (DUP) R3555383-3 07/31/20 23:56

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 94.2            | 94.3       | 1        | 0.0190  |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3555383-2 07/31/20 23:56

|              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Analyte      | %            | %          | %        | %           |               |
| 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 L1243725-03,04,05,06,07,08,09,10,11,12

Method Blank (MB)

(MB) R3555382-1 07/31/20 23:44

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

L1243725-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1243725-03 07/31/20 23:44 • (DUP) R3555382-3 07/31/20 23:44

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 82.6            | 82.5       | 1        | 0.136   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3555382-2 07/31/20 23:44

| 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

Total Solids by Method 2540 G-2011 L1243725-13,14

Method Blank (MB)

(MB) R3555381-1 07/31/20 23:33

| Analyte      | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
|              | %         |              | %      | %      |
| Total Solids | 0.000     |              |        |        |

L1243727-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1243727-01 07/31/20 23:33 • (DUP) R3555381-3 07/31/20 23:33

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 92.4            | 92.5       | 1        | 0.189   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3555381-2 07/31/20 23:33

| 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

L1243725-01,02,03,04,05,06,07,08,09,10,11,12,13,14

Method Blank (MB)

(MB) R3555058-1 07/30/20 23:46

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

L1243725-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1243725-02 07/31/20 00:15 • (DUP) R3555058-3 07/31/20 00:24

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

L1243727-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1243727-03 07/31/20 03:44 • (DUP) R3555058-6 07/31/20 03:54

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 11.3                  | 11.1             | 1        | 2.37    | ⌵             | 20             |

Laboratory Control Sample (LCS)

(LCS) R3555058-2 07/30/20 23:56

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 192        | 96.2     | 90.0-110    |               |

L1243725-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1243725-04 07/31/20 00:43 • (MS) R3555058-4 07/31/20 00:53 • (MSD) R3555058-5 07/31/20 01:02

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD   | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|-------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |              |               | %     | %          |
| Chloride | 514                | 120                   | 626             | 631              | 98.4    | 99.4     | 1        | 80.0-120    |              |               | 0.881 | 20         |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1243725-01,02,04,05,06

Method Blank (MB)

(MB) R3555070-2 07/30/20 13:27

| 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) | 103                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3555070-1 07/30/20 12:43

| 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                  | 5.38                | 97.8          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 102           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO L1243725-07,08,09

Method Blank (MB)

(MB) R3555175-2 07/31/20 10:18

| 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) | 93.3               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3555175-1 07/31/20 09:37

| 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                  | 5.38                | 97.8          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 108           | 77.0-120         |               |

L1244447-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244447-03 07/31/20 12:25 • (MS) R3555175-3 07/31/20 12:45 • (MSD) R3555175-4 07/31/20 13:06

| 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          | 1350                           | 60.1                              | 796                      | 825                          | 54.4         | 56.6          | 200      | 10.0-151         |              |               | 3.52     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                                |                                   |                          |                              | 101          | 102           |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1243725-10,11,12,14

Method Blank (MB)

(MB) R3555189-2 07/31/20 11:46

| 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) | 105                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3555189-1 07/31/20 11:01

| 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                  | 6.63                | 121           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 106           | 77.0-120         |               |

L1244028-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1244028-03 07/31/20 20:11 • (MS) R3555189-3 07/31/20 20:55 • (MSD) R3555189-4 07/31/20 21:18

| 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          | 550                   | 601                      | 998                | 968                 | 72.2         | 66.7          | 100      | 10.0-151         |              |               | 3.05     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                          |                    |                     | 102          | 99.8          |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1243725-03

Method Blank (MB)

(MB) R3555486-1 07/31/20 09:53

| 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) | 108                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3555486-2 07/31/20 17:03

| 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                  | 5.78                | 105           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 101           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc



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

L1243725-13

Method Blank (MB)

(MB) R3555643-3 08/02/20 09:13

| 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) | 94.0               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3555643-2 08/02/20 08:32

| 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                  | 4.93                | 89.6          | 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/MS) by Method 8260B

L1243725-01,02,03,04,05,06,07,08,09

Method Blank (MB)

(MB) R3554847-3 07/29/20 22:31

| 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            | 107                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 103                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 111                |              |                 | 70.0-130        |

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

(LCS) R3554847-1 07/29/20 21:11 • (LCSD) R3554847-2 07/29/20 21:31

| 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                 | 0.110               | 0.105                | 88.0          | 84.0           | 70.0-123         |               |                | 4.65     | 20              |
| Ethylbenzene              | 0.125                 | 0.113               | 0.112                | 90.4          | 89.6           | 74.0-126         |               |                | 0.889    | 20              |
| Toluene                   | 0.125                 | 0.110               | 0.109                | 88.0          | 87.2           | 75.0-121         |               |                | 0.913    | 20              |
| Xylenes, Total            | 0.375                 | 0.348               | 0.342                | 92.8          | 91.2           | 72.0-127         |               |                | 1.74     | 20              |
| (S) Toluene-d8            |                       |                     |                      | 104           | 103            | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 99.9          | 104            | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 114           | 116            | 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

L1243725-10,11,12,13,14

Method Blank (MB)

(MB) R3555463-2 07/30/20 05:54

| 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            | 102                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 102                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 98.4               |              |                 | 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) R3555463-1 07/30/20 04:54

| 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                 | 0.113               | 90.4          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.111               | 88.8          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.351               | 93.6          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 105           | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 107           | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 119           | 70.0-130         |               |

L1243728-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1243728-04 07/30/20 09:48 • (MS) R3555463-3 07/30/20 13:28 • (MSD) R3555463-4 07/30/20 13:48

| 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                   | 0.129                          | U                                 | 0.139                    | 0.127                        | 107          | 98.4          | 1        | 10.0-149         |              |               | 8.63     | 37              |
| Ethylbenzene              | 0.129                          | U                                 | 0.145                    | 0.131                        | 112          | 102           | 1        | 10.0-160         |              |               | 9.81     | 38              |
| Toluene                   | 0.129                          | U                                 | 0.141                    | 0.131                        | 109          | 102           | 1        | 10.0-156         |              |               | 6.90     | 38              |
| Xylenes, Total            | 0.387                          | 0.00105                           | 0.430                    | 0.403                        | 111          | 104           | 1        | 10.0-160         |              |               | 6.50     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 101          | 104           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 103          | 107           |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 102          | 110           |          | 70.0-130         |              |               |          |                 |

Semi-Volatile Organic Compounds (GC) by Method 8015

L1243725-01,02,03,04

Method Blank (MB)

(MB) R3555610-1 08/02/20 17:10

| 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      | 72.4               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3555610-2 08/02/20 17:23

| 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                  | 34.0                | 68.0          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 77.0          | 18.0-148         |               |

L1243607-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1243607-07 08/02/20 21:57 • (MS) R3555610-3 08/02/20 22:10 • (MSD) R3555610-4 08/02/20 22:23

| 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>% |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 48.6                  | 36.8                     | 66.1               | 61.8                | 60.3         | 51.4          | 1        | 50.0-150         |              |               | 6.72     | 20              |
| (S) o-Terphenyl      |                       |                          |                    |                     | 75.6         | 59.6          |          | 18.0-148         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

L1243725-12,14

Method Blank (MB)

(MB) R3555333-1 07/31/20 16:05

| 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      | 83.8               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3555333-2 07/31/20 16:19

| 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                  | 37.1                | 74.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 71.3          | 18.0-148         |               |

L1243727-03 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1243727-03 08/01/20 01:22 • (MS) R3555433-1 08/01/20 01:35 • (MSD) R3555433-2 08/01/20 01:47

| 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>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 50.6                           | 5.41                              | 45.3                     | 39.3                         | 79.0         | 67.0          | 1        | 50.0-150         |              |               | 14.3     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 75.9         | 67.8          |          | 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 L1243725-05,06,07,08,09,10,11,13

Method Blank (MB)

(MB) R3555544-1 08/01/20 13:49

| 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      | 74.6               |              |                 | 18.0-148        |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3555544-2 08/01/20 14:02

| 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      |                       |                     | 89.9          | 18.0-148         |               |

L1243649-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1243649-01 08/01/20 16:25 • (MS) R3555544-3 08/01/20 16:38 • (MSD) R3555544-4 08/01/20 16:51

| 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>% |
|----------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 49.8                  | 18.8                     | 50.8               | 59.1                | 64.3         | 80.9          | 1        | 50.0-150         |              |               | 15.1     | 20              |
| (S) o-Terphenyl      |                       |                          |                    |                     | 57.4         | 61.4          |          | 18.0-148         |              |               |          |                 |

## Guide to Reading and Understanding Your Laboratory Report

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

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

### Abbreviations and Definitions

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

| Qualifier | Description                                                                                                                                                  |
|-----------|--------------------------------------------------------------------------------------------------------------------------------------------------------------|
| J         | The identification of the analyte is acceptable; the reported value is an estimate.                                                                          |
| V3        | The internal standard exhibited poor recovery due to sample matrix interference. The analytical results will be biased high. BDL results will be unaffected. |

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

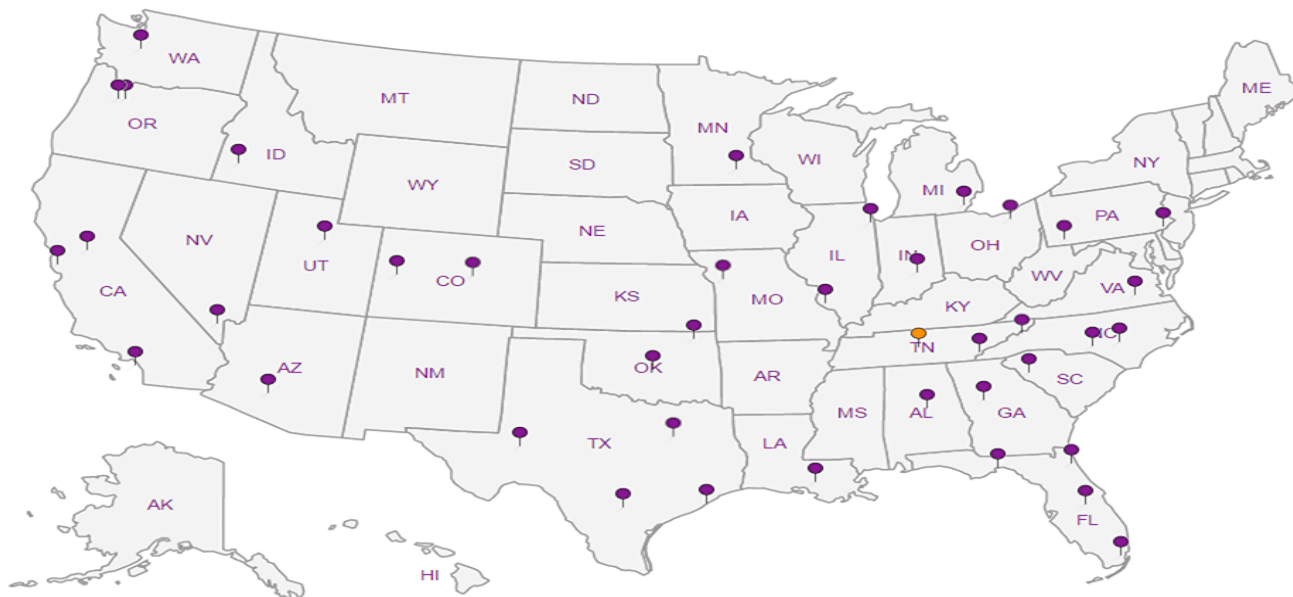
## Third Party Federal Accreditations

|                               |         |                     |               |
|-------------------------------|---------|---------------------|---------------|
| 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.





Tetra Tech, Inc.

 901 West Wall Street, Suite 100  
 Midland, Texas 79701  
 Tel (432) 682-4559  
 Fax (432) 682-3946

F023

21243725

Client Name: Conoco Phillips  
 Project Name: MCA 2-C Header  
 Project Location: Lea County, New Mexico  
 Invoice to: Accounts Payable  
 901 West Wall Street, Suite 100 Midland, Texas 79701  
 Receiving Laboratory: Pace Analytical  
 Site Manager: Christian Llull  
 Contact Info: Email: christian.llull@tetratech.com  
 Phone: (512) 338-1667  
 Project #: 212C-MD-02119  
 Sampler Signature: Devin Dominguez

Comments: COPTETRA Acctnum

| 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 | HNO3                | ICE | NONE |   |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      |                |                |                      |                                             |                      |           |      |  |
|                         |                       | DATE       | TIME |        |      |     |                     |     |      |   |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      |                |                |                      |                                             |                      |           |      |  |
| -01                     | AH-1E-2 (0-1')        | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |
| -02                     | AH-1E-2 (2-3')        | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |
| -03                     | AH-1S-3 (0-1')        | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |
| -04                     | AH-1S-3 (2-3')        | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |
| -05                     | AH-1S-3 (4-5')        | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |
| -06                     | AH-3W (0-1')          | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |
| -07                     | AH-3W (2-3')          | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |
| -08                     | AH-5W (0-1')          | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |
| -09                     | AH-5W (2-3')          | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |
| -10                     | AH-9W-3 (0-1')        | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |  |

Relinquished by: Date: 7/24 Time: 5:00  
 Relinquished by: Date: 7/24/20 Time: 17:00  
 Relinquished by: Date: 7-25-20 Time: 10:00  
 Received by: Date: 7/24/20 Time: 5:00  
 Received by: FedEx Date: 7/24/20 Time: 17:00  
 Received by: Date: 7-25-20 Time: 10:00

LAB USE ONLY

Sample Temperature

## REMARKS:

- ☒ Standard  
☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.  
☐ Rush Charges Authorized  
☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

3.4-2=3.2





C1243725

**ANALYSIS REQUEST**  
(Circle or Specify Method No.)

$$3.4 - 0.2 = 3.2$$

ORIGINAL COPY

## Pace Analytical National Center for Testing & Innovation

### Cooler Receipt Form

| Client: <u>Tetra Tech</u>                                                                           |  | <u>L1243725</u>         |   |
|-----------------------------------------------------------------------------------------------------|--|-------------------------|---|
| Cooler Received/Opened On: <u>7 / 15 / 20</u>                                                       |  | Temperature: <u>3.2</u> |   |
| Received By: <u>Bryan Burgess</u>                                                                   |  |                         |   |
| Signature: <u></u> |  |                         |   |
| Receipt Check List                                                                                  |  | NP                      |   |
| COC Seal Present / Intact?                                                                          |  | ✓                       |   |
| COC Signed / Accurate?                                                                              |  |                         | ✓ |
| Bottles arrive intact?                                                                              |  |                         | ✓ |
| Correct bottles used?                                                                               |  |                         | ✓ |
| Sufficient volume sent?                                                                             |  |                         | ✓ |
| If Applicable                                                                                       |  |                         |   |
| VOA Zero headspace?                                                                                 |  |                         |   |
| Preservation Correct / Checked?                                                                     |  |                         |   |





# Tetra Tech, Inc.

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

F023

21243725

**Client Name:** Conoco Phillips  
**Site Manager:** Christian Llull  
**Project Name:** MCA 2-C Header  
**Contact Info:** Email: christian.llull@tetratech.com  
Phone: (512) 338-1667  
**Project Location:** Lea County, New Mexico  
**Project #:** 212C-MD-02119  
**Invoice to:** Accounts Payable  
901 West Wall Street, Suite 100 Midland, Texas 79701  
**Receiving Laboratory:** Pace Analytical  
**Sampler Signature:** Devin Dominguez

**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 | HNO3                | ICE | NONE |   |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      |                |                |                      |                                             |                      |           |      |
|                         |                                        | DATE       | TIME |        |      |     |                     |     |      |   |              |                |            |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      |                |                |                      |                                             |                      |           |      |
| -01                     | AH-1E-2 (0-1')                         | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |
| -02                     | AH-1E-2 (2-3')                         | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |
| -03                     | AH-1S-3 (0-1')                         | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |
| -04                     | AH-1S-3 (2-3')                         | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |
| -05                     | AH-1S-3 (4-5')                         | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |
| -06                     | AH-3W (0-1')                           | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |
| -07                     | AH-3W (2-3')                           | 7/24/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |
| -08                     | AH-5W-2 (0-1') <del>AH-5W (0-1')</del> | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |
| -09                     | AH-5W-2 (2-3') <del>AH-5W (2-3')</del> | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |
| -10                     | AH-9W-3 (0-1')                         | 7/23/2020  |      | X      |      |     | X                   |     |      | 1 | N            | X              | X          |                  |                         |                                   |           |                                      |                                     |                |                     |     |                        |                              |                  |      | X              |                |                      |                                             |                      |           |      |

Relinquished by: Date: 7/24 Time: 5:00  
Received by: Date: 7/24/20 Time: 5:00

Relinquished by: Date: 7/24/20 Time: 17:00  
Received by: FedEx Date: 7/24/20 Time: 17:00

Relinquished by: Date: 7-25-20 Time: 10:00  
Received by: Date: 7-25-20 Time: 10:00

LAB USE ONLY

Sample Temperature

### REMARKS:

- ☒ Standard
- ☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

3.4-2=3.2



# Tetra Tech, Inc.

901 West Wall Street, Suite 100  
Midland, Texas 79701  
Tel (432) 682-4559  
Fax (432) 682-3946

61243725

|                                      |                                                                          |                    |                                                               |
|--------------------------------------|--------------------------------------------------------------------------|--------------------|---------------------------------------------------------------|
| Client Name:                         | Conoco Phillips                                                          | Site Manager:      | Christian Llull                                               |
| Project Name:                        | MCA 2-C Header                                                           | Contact Info:      | Email: christian.llull@tetratech.com<br>Phone: (512) 338-1667 |
| Project Location:<br>(county, state) | Lea County, New Mexico                                                   | Project #:         | 212C-MD-02119                                                 |
| Invoice to:                          | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 |                    |                                                               |
| Receiving Laboratory:                | Pace Analytical                                                          | Sampler Signature: | Devin Dominguez                                               |

## ANALYSIS REQUEST (Circle or Specify Method No.)

Comments: COPTETRA Acctnum

| LAB #<br><br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING   |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |      | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B | BTEX 8260B / 8270C | TPH TX1005 (Ext to C35) | TPH 8015M (GRQ - DI) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCL | GC/MS Vol. 8260B / 8270C | GC/MS Semi. Vol. 8270C | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry | Anion/Cation Balance | TPH 8015R | HOLD |
|-----------------------------|-----------------------|------------|------|--------|------|---------------------|------------------|-----|------|--------------|----------------|------------|--------------------|-------------------------|----------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|--------------------------|------------------------|------------------|------|----------------|----------------|----------------------|-------------------------|----------------------|-----------|------|
|                             |                       | YEAR: 2020 |      | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE | NONE |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       | DATE       | TIME |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
| -11                         | AH-9W-3 (2-3')        | 7/23/2020  |      | X      |      |                     | X                |     | 1    | N            | X              | X          |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                | X              |                      |                         |                      |           |      |
| -12                         | AH-1S-4 (0-1')        | 7/24/2020  |      | X      |      |                     | X                |     | 1    | N            | X              | X          |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                | X              |                      |                         |                      |           |      |
| -13                         | AH-1S-4 (2-3')        | 7/24/2020  |      | X      |      |                     | X                |     | 1    | N            | X              | X          |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                | X              |                      |                         |                      |           |      |
| -14                         | AH-1S-4 (4-5')        | 7/24/2020  |      | X      |      |                     | X                |     | 1    | N            | X              | X          |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                | X              |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |
|                             |                       |            |      |        |      |                     |                  |     |      |              |                |            |                    |                         |                      |           |                                      |                                     |                |                     |     |                          |                        |                  |      |                |                |                      |                         |                      |           |      |

|                  |         |       |              |         |       |
|------------------|---------|-------|--------------|---------|-------|
| Relinquished by: | Date:   | Time: | Received by: | Date:   | Time: |
|                  | 7/24    | 15:00 |              | 7/24/20 | 15:00 |
| Relinquished by: | Date:   | Time: | Received by: | Date:   | Time: |
|                  | 7/24/20 | 17:00 |              | 7/24/20 | 17:00 |
| Relinquished by: | Date:   | Time: | Received by: | Date:   | Time: |
|                  |         |       |              |         |       |

LAB USE ONLY

Sample Temperature

### REMARKS:

- ☒ Standard
- ☐ RUSH: Same Day 24 hr. 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #: \_\_\_\_\_

3.4-2=3.2



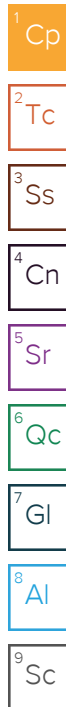


## ANALYTICAL REPORT

August 13, 2020

**ConocoPhillips - Tetra Tech**

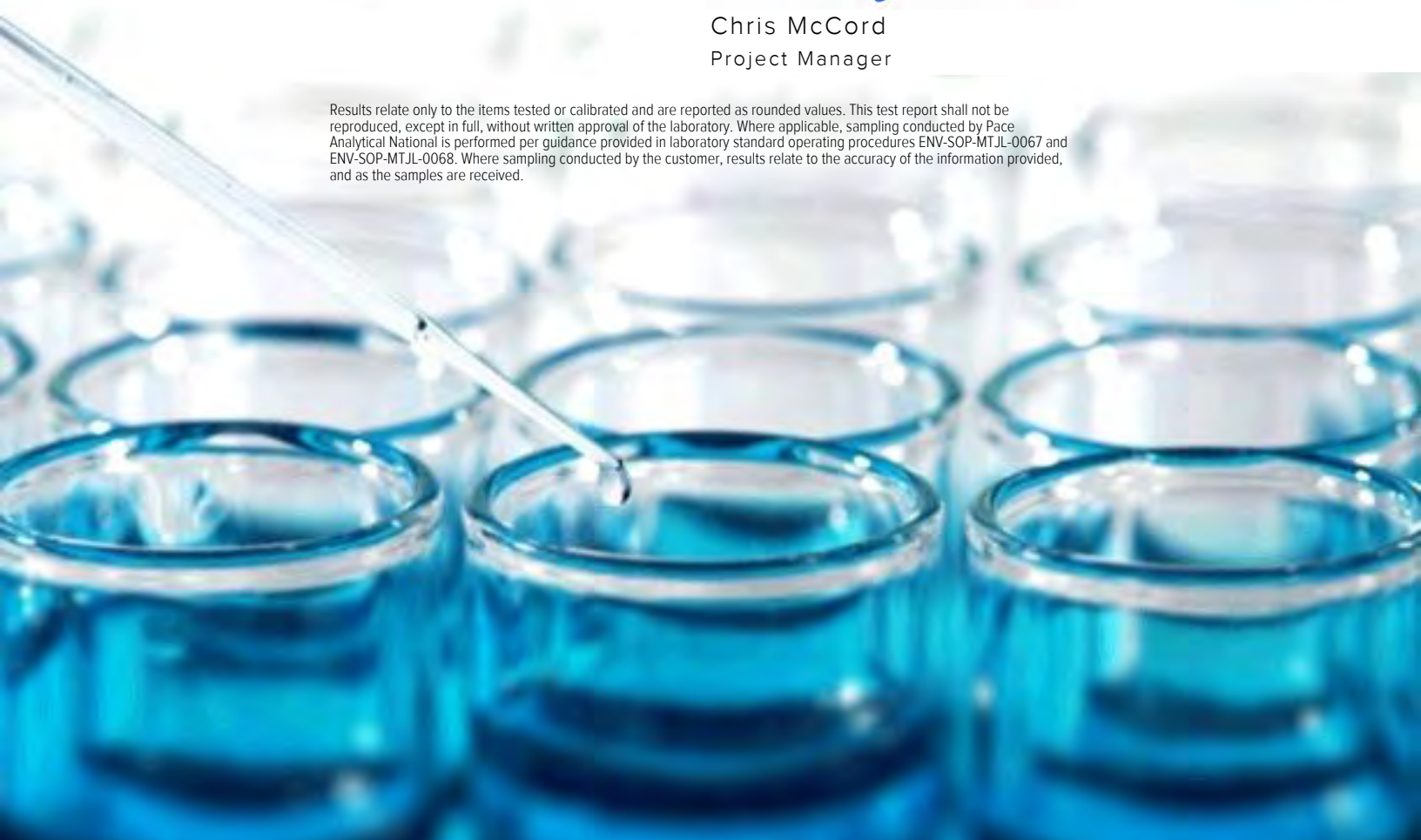
Sample Delivery Group: L1243729  
Samples Received: 07/25/2020  
Project Number: 212C-MD-02119  
Description: COP MCA 2-C Header Release  
Site: LEA COUNTY, NEW MEXICO  
Report To: Christian Llull  
901 West Wall  
Suite 100  
Midland, TX 79701



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.





|                                                     |    |
|-----------------------------------------------------|----|
| Cp: Cover Page                                      | 1  |
| Tc: Table of Contents                               | 2  |
| Ss: Sample Summary                                  | 3  |
| Cn: Case Narrative                                  | 4  |
| Sr: Sample Results                                  | 5  |
| AH-9W-4 (0-1') L1243729-01                          | 5  |
| AH-9W-4 (2-3') L1243729-02                          | 6  |
| AH-9W-5 (0-1') L1243729-03                          | 7  |
| AH-9W-5 (2-3') L1243729-04                          | 8  |
| Qc: Quality Control Summary                         | 9  |
| Total Solids by Method 2540 G-2011                  | 9  |
| Wet Chemistry by Method 300.0                       | 11 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 12 |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 13 |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 14 |
| Gl: Glossary of Terms                               | 15 |
| Al: Accreditations & Locations                      | 16 |
| Sc: Sample Chain of Custody                         | 17 |

|                 |
|-----------------|
| <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 |

## AH-9W-4 (0-1') L1243729-01 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1523673 | 1        | 08/11/20 16:36        | 08/11/20 16:43     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1521882 | 1        | 08/06/20 21:58        | 08/07/20 00:23     | MSP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1522141 | 1        | 08/07/20 08:23        | 08/07/20 17:22     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1524121 | 1        | 08/07/20 08:23        | 08/11/20 17:02     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1524008 | 1        | 08/11/20 22:18        | 08/12/20 14:27     | JDG     | Mt. Juliet, TN |

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

## AH-9W-4 (2-3') L1243729-02 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1523820 | 1        | 08/11/20 20:47        | 08/11/20 20:58     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1521882 | 1        | 08/06/20 21:58        | 08/07/20 00:32     | MSP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1522141 | 1        | 08/07/20 08:23        | 08/07/20 17:42     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1524121 | 1        | 08/07/20 08:23        | 08/11/20 17:21     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1524008 | 1        | 08/11/20 22:18        | 08/12/20 13:30     | JDG     | Mt. Juliet, TN |

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

## AH-9W-5 (0-1') L1243729-03 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1523820 | 1        | 08/11/20 20:47        | 08/11/20 20:58     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1521882 | 1        | 08/06/20 21:58        | 08/07/20 00:42     | MSP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1522141 | 1        | 08/07/20 08:23        | 08/07/20 18:03     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1524121 | 1        | 08/07/20 08:23        | 08/11/20 17:40     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1524008 | 1        | 08/11/20 22:18        | 08/12/20 13:45     | JDG     | Mt. Juliet, TN |

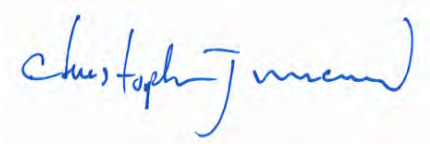
<sup>9</sup> Sc

## AH-9W-5 (2-3') L1243729-04 Solid

Collected by Devin Dominguez  
Collected date/time 07/23/20 00:00  
Received date/time 07/25/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1523820 | 1        | 08/11/20 20:47        | 08/11/20 20:58     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1521882 | 1        | 08/06/20 21:58        | 08/07/20 01:02     | MSP     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1522141 | 1        | 08/07/20 08:23        | 08/07/20 18:24     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1524121 | 1        | 08/07/20 08:23        | 08/11/20 17:59     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1524008 | 1        | 08/11/20 22:18        | 08/12/20 14:13     | JDG     | Mt. Juliet, TN |

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



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: 07/23/20 00:00

L1243729

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 87.0   |           | 1        | 08/11/2020 16:43 | <a href="#">WG1523673</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 | 67.2         |           | 10.6      | 23.0      | 1        | 08/07/2020 00:23 | <a href="#">WG1521882</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            | <a href="#">T8</a> | 0.0250    | 0.115     | 1        | 08/07/2020 17:22 | <a href="#">WG1522141</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 103          |                    |           | 77.0-120  |          | 08/07/2020 17:22 | <a href="#">WG1522141</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="#">T8</a> | 0.000607  | 0.00130   | 1        | 08/11/2020 17:02 | <a href="#">WG1524121</a> |
| Toluene                          | U            | <a href="#">T8</a> | 0.00169   | 0.00650   | 1        | 08/11/2020 17:02 | <a href="#">WG1524121</a> |
| Ethylbenzene                     | U            | <a href="#">T8</a> | 0.000958  | 0.00325   | 1        | 08/11/2020 17:02 | <a href="#">WG1524121</a> |
| Total Xylenes                    | U            | <a href="#">T8</a> | 0.00114   | 0.00845   | 1        | 08/11/2020 17:02 | <a href="#">WG1524121</a> |
| (S) <i>Toluene-d8</i>            | 98.3         |                    |           | 75.0-131  |          | 08/11/2020 17:02 | <a href="#">WG1524121</a> |
| (S) <i>4-Bromofluorobenzene</i>  | 90.8         |                    |           | 67.0-138  |          | 08/11/2020 17:02 | <a href="#">WG1524121</a> |
| (S) <i>1,2-Dichloroethane-d4</i> | 118          |                    |           | 70.0-130  |          | 08/11/2020 17:02 | <a href="#">WG1524121</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    | 20.1         | <a href="#">T8</a> | 1.85      | 4.60      | 1        | 08/12/2020 14:27 | <a href="#">WG1524008</a> |
| C28-C40 Oil Range       | 75.2         | <a href="#">T8</a> | 0.315     | 4.60      | 1        | 08/12/2020 14:27 | <a href="#">WG1524008</a> |
| (S) <i>o</i> -Terphenyl | 65.6         |                    |           | 18.0-148  |          | 08/12/2020 14:27 | <a href="#">WG1524008</a> |

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

Collected date/time: 07/23/20 00:00

L1243729

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 74.5   |           | 1        | 08/11/2020 20:58 | <a href="#">WG1523820</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 | 369          |           | 12.3      | 26.8      | 1        | 08/07/2020 00:32 | <a href="#">WG1521882</a> |

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

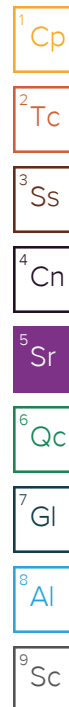
| Analyte                                 | Result (dry) | Qualifier          | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|-----------------------------------------|--------------|--------------------|-----------|-----------|----------|------------------|---------------------------|
|                                         | mg/kg        |                    | mg/kg     | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction               | U            | <a href="#">T8</a> | 0.0291    | 0.134     | 1        | 08/07/2020 17:42 | <a href="#">WG1522141</a> |
| (S) <i>a,a,a</i> -Trifluorotoluene(FID) | 106          |                    |           | 77.0-120  |          | 08/07/2020 17:42 | <a href="#">WG1522141</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="#">T8</a> | 0.000786  | 0.00168   | 1        | 08/11/2020 17:21 | <a href="#">WG1524121</a> |
| Toluene                   | U            | <a href="#">T8</a> | 0.00219   | 0.00842   | 1        | 08/11/2020 17:21 | <a href="#">WG1524121</a> |
| Ethylbenzene              | U            | <a href="#">T8</a> | 0.00124   | 0.00421   | 1        | 08/11/2020 17:21 | <a href="#">WG1524121</a> |
| Total Xylenes             | U            | <a href="#">T8</a> | 0.00148   | 0.0109    | 1        | 08/11/2020 17:21 | <a href="#">WG1524121</a> |
| (S) Toluene-d8            | 100          |                    |           | 75.0-131  |          | 08/11/2020 17:21 | <a href="#">WG1524121</a> |
| (S) 4-Bromofluorobenzene  | 88.7         |                    |           | 67.0-138  |          | 08/11/2020 17:21 | <a href="#">WG1524121</a> |
| (S) 1,2-Dichloroethane-d4 | 107          |                    |           | 70.0-130  |          | 08/11/2020 17:21 | <a href="#">WG1524121</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            | <a href="#">T8</a> | 2.16      | 5.37      | 1        | 08/12/2020 13:30 | <a href="#">WG1524008</a> |
| C28-C40 Oil Range    | 6.99         | <a href="#">T8</a> | 0.368     | 5.37      | 1        | 08/12/2020 13:30 | <a href="#">WG1524008</a> |
| (S) o-Terphenyl      | 57.0         |                    |           | 18.0-148  |          | 08/12/2020 13:30 | <a href="#">WG1524008</a> |



Collected date/time: 07/23/20 00:00

L1243729

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.7   |           | 1        | 08/11/2020 20:58     | <a href="#">WG1523820</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                  |           | 9.41            | 20.5            | 1        | 08/07/2020 00:42     | <a href="#">WG1521882</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        | 08/07/2020 18:03     | <a href="#">WG1522141</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 106                |           |                 | 77.0-120        |          | 08/07/2020 18:03     | <a href="#">WG1522141</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="#">T8</a> | 0.000478        | 0.00102         | 1        | 08/11/2020 17:40     | <a href="#">WG1524121</a> |
| Toluene                   | U                  | <a href="#">T8</a> | 0.00133         | 0.00512         | 1        | 08/11/2020 17:40     | <a href="#">WG1524121</a> |
| Ethylbenzene              | U                  | <a href="#">T8</a> | 0.000754        | 0.00256         | 1        | 08/11/2020 17:40     | <a href="#">WG1524121</a> |
| Total Xylenes             | U                  | <a href="#">T8</a> | 0.000900        | 0.00665         | 1        | 08/11/2020 17:40     | <a href="#">WG1524121</a> |
| (S) Toluene-d8            | 100                |                    |                 | 75.0-131        |          | 08/11/2020 17:40     | <a href="#">WG1524121</a> |
| (S) 4-Bromofluorobenzene  | 89.1               |                    |                 | 67.0-138        |          | 08/11/2020 17:40     | <a href="#">WG1524121</a> |
| (S) 1,2-Dichloroethane-d4 | 101                |                    |                 | 70.0-130        |          | 08/11/2020 17:40     | <a href="#">WG1524121</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 | 1.76               | <a href="#">J T8</a> | 1.65            | 4.09            | 1        | 08/12/2020 13:45     | <a href="#">WG1524008</a> |
| C28-C40 Oil Range    | 22.8               | <a href="#">T8</a>   | 0.280           | 4.09            | 1        | 08/12/2020 13:45     | <a href="#">WG1524008</a> |
| (S) o-Terphenyl      | 68.2               |                      |                 | 18.0-148        |          | 08/12/2020 13:45     | <a href="#">WG1524008</a> |

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

Collected date/time: 07/23/20 00:00

L1243729

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.5   |           | 1        | 08/11/2020 20:58     | <a href="#">WG1523820</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                  |           | 9.43            | 20.5            | 1        | 08/07/2020 01:02     | <a href="#">WG1521882</a> |

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

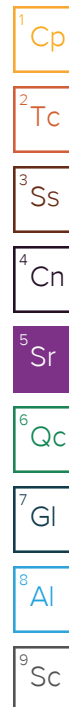
| Analyte                         | Result (dry) mg/kg | Qualifier          | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  | <a href="#">T8</a> | 0.0223          | 0.103           | 1        | 08/07/2020 18:24     | <a href="#">WG1522141</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104                |                    |                 | 77.0-120        |          | 08/07/2020 18:24     | <a href="#">WG1522141</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="#">T8</a> | 0.000479        | 0.00103         | 1        | 08/11/2020 17:59     | <a href="#">WG1524121</a> |
| Toluene                   | U                  | <a href="#">T8</a> | 0.00133         | 0.00513         | 1        | 08/11/2020 17:59     | <a href="#">WG1524121</a> |
| Ethylbenzene              | U                  | <a href="#">T8</a> | 0.000756        | 0.00256         | 1        | 08/11/2020 17:59     | <a href="#">WG1524121</a> |
| Total Xylenes             | U                  | <a href="#">T8</a> | 0.000902        | 0.00667         | 1        | 08/11/2020 17:59     | <a href="#">WG1524121</a> |
| (S) Toluene-d8            | 103                |                    |                 | 75.0-131        |          | 08/11/2020 17:59     | <a href="#">WG1524121</a> |
| (S) 4-Bromofluorobenzene  | 92.7               |                    |                 | 67.0-138        |          | 08/11/2020 17:59     | <a href="#">WG1524121</a> |
| (S) 1,2-Dichloroethane-d4 | 103                |                    |                 | 70.0-130        |          | 08/11/2020 17:59     | <a href="#">WG1524121</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 | 2.49               | <a href="#">J T8</a> | 1.65            | 4.10            | 1        | 08/12/2020 14:13     | <a href="#">WG1524008</a> |
| C28-C40 Oil Range    | 26.7               | <a href="#">T8</a>   | 0.281           | 4.10            | 1        | 08/12/2020 14:13     | <a href="#">WG1524008</a> |
| (S) o-Terphenyl      | 70.3               |                      |                 | 18.0-148        |          | 08/12/2020 14:13     | <a href="#">WG1524008</a> |





Total Solids by Method 2540 G-2011 L1243729-01

Method Blank (MB)

(MB) R3558926-1 08/11/20 16:43

|              | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
| Analyte      | %         |              | %      | %      |
| Total Solids | 0.000     |              |        |        |

L1248682-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1248682-01 08/11/20 16:43 • (DUP) R3558926-3 08/11/20 16:43

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 97.1            | 96.7       | 1        | 0.415   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3558926-2 08/11/20 16:43

|              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
| Analyte      | %            | %          | %        | %           |               |
| 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

[L1243729-02,03,04](#)

Method Blank (MB)

(MB) R3558939-1 08/11/20 20:58

| Analyte      | MB Result | MB Qualifier | MB MDL | MB RDL |
|--------------|-----------|--------------|--------|--------|
|              | %         |              | %      | %      |
| Total Solids | 0.000     |              |        |        |

L1243729-02 Original Sample (OS) • Duplicate (DUP)

(OS) L1243729-02 08/11/20 20:58 • (DUP) R3558939-3 08/11/20 20:58

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 74.5            | 75.7       | 1        | 1.52    |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3558939-2 08/11/20 20:58

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
|              | %            | %          | %        | %           |               |
| 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

Wet Chemistry by Method 300.0

L1243729-01,02,03,04

Method Blank (MB)

(MB) R3557451-1 08/06/20 23:48

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

L1243729-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1243729-03 08/07/20 00:42 • (DUP) R3557451-3 08/07/20 00:53

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

L1247305-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1247305-06 08/07/20 05:02 • (DUP) R3557451-6 08/07/20 05:12

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 306                   | 320              | 1        | 4.52    |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R3557451-2 08/07/20 00:04

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 195        | 97.7     | 90.0-110    |               |

L1243729-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1243729-04 08/07/20 01:02 • (MS) R3557451-4 08/07/20 01:12 • (MSD) R3557451-5 08/07/20 01:24

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |              |               | %    | %          |
| Chloride | 513                | U                     | 498             | 489              | 97.1    | 95.4     | 1        | 80.0-120    |              |               | 1.83 | 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 L1243729-01,02,03,04

Method Blank (MB)

(MB) R3557814-2 08/07/20 15:42

| 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) | 110                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3557814-1 08/07/20 15:01

| 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                  | 5.72                | 104           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 101           | 77.0-120         |               |

L1246776-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1246776-06 08/07/20 20:28 • (MS) R3557814-3 08/07/20 23:54 • (MSD) R3557814-4 08/08/20 00:14

| 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          | 234                            | 1.17                              | 234                      | 226                          | 99.5         | 95.9          | 25       | 10.0-151         |              |               | 3.69     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                                |                                   |                          |                              | 103          | 103           |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1243729-01,02,03,04

Method Blank (MB)

(MB) R3558854-3 08/11/20 15:53

| 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            | 103                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 90.2               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 111                |              |                 | 70.0-130        |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

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

(LCS) R3558854-1 08/11/20 13:38 • (LCSD) R3558854-2 08/11/20 14:56

| 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                 | 0.0954              | 0.0940               | 76.3          | 75.2           | 70.0-123         |               |                | 1.48     | 20              |
| Ethylbenzene              | 0.125                 | 0.104               | 0.103                | 83.2          | 82.4           | 74.0-126         |               |                | 0.966    | 20              |
| Toluene                   | 0.125                 | 0.103               | 0.0995               | 82.4          | 79.6           | 75.0-121         |               |                | 3.46     | 20              |
| Xylenes, Total            | 0.375                 | 0.273               | 0.272                | 72.8          | 72.5           | 72.0-127         |               |                | 0.367    | 20              |
| (S) Toluene-d8            |                       |                     |                      | 97.3          | 95.0           | 75.0-131         |               |                |          |                 |
| (S) 4-Bromofluorobenzene  |                       |                     |                      | 95.9          | 94.7           | 67.0-138         |               |                |          |                 |
| (S) 1,2-Dichloroethane-d4 |                       |                     |                      | 124           | 125            | 70.0-130         |               |                |          |                 |

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015 L1243729-01,02,03,04

Method Blank (MB)

(MB) R3559435-1 08/12/20 12:15

| 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      | 65.3               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3559435-2 08/12/20 12:29

| 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                  | 35.5                | 71.0          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 84.1          | 18.0-148         |               |

L1243729-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1243729-01 08/12/20 14:27 • (MS) R3559435-3 08/12/20 14:41 • (MSD) R3559435-4 08/12/20 14:54

| 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>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 55.9                           | 20.1                              | 55.4                     | 56.5                         | 63.2         | 64.8          | 1        | 50.0-150         |              |               | 1.85     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 75.2         | 77.1          |          | 18.0-148         |              |               |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Guide to Reading and Understanding Your Laboratory Report

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

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

## Abbreviations and Definitions

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

| Qualifier | Description                                                                         |
|-----------|-------------------------------------------------------------------------------------|
| J         | The identification of the analyte is acceptable; the reported value is an estimate. |
| T8        | Sample(s) received past/too close to holding time expiration.                       |

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

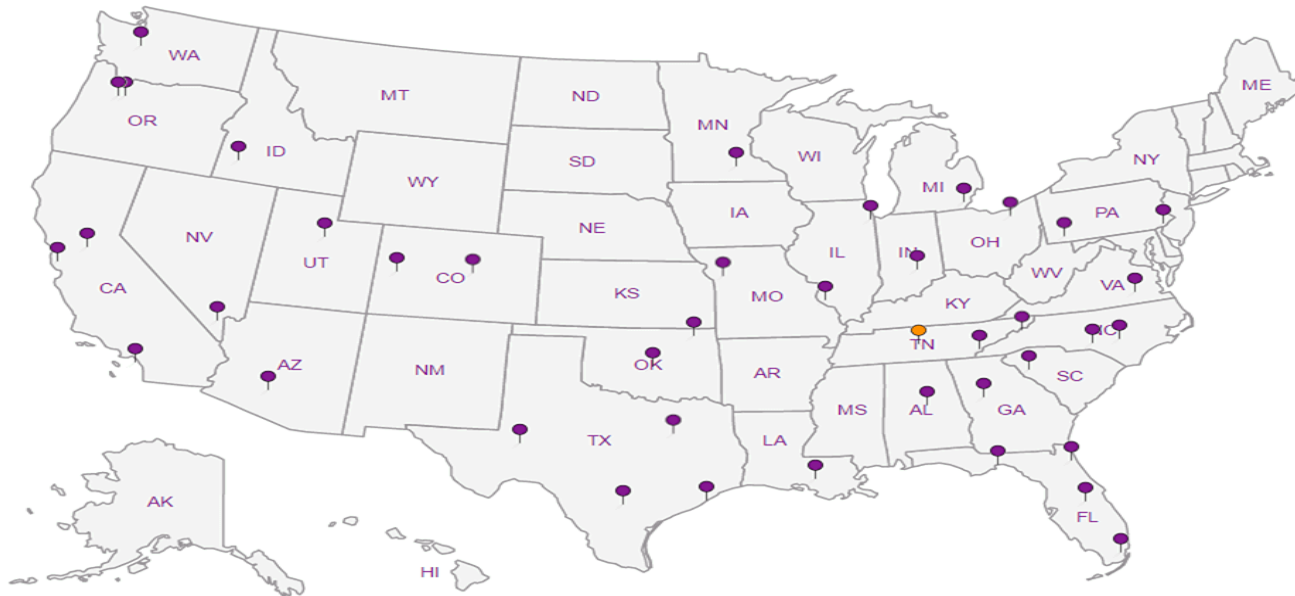
## Third Party Federal Accreditations

|                               |         |                     |               |
|-------------------------------|---------|---------------------|---------------|
| 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.



## Page : 1 of 1

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #: \_\_\_\_\_

3.4-2-3.2 WWS  
AB



---

**Andy Vann**

**From:** Chris McCord  
**Sent:** Thursday, August 6, 2020 3:01 PM  
**To:** Project Service; Due SVOC; Due VOC  
**Cc:** Chris Johnson  
**Subject:** L1243729 \*COP1ETRA\* goes OOH tonight, 8/6

**Importance:** High

Please log L1243729-01 thru -04 for GRO, DRORLA, V8260BTEX, CHLORIDE-300, TS. log as EX due 8/13. Refer to 07-173 for hold samples.

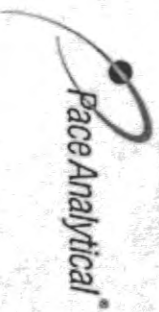
Adjust multipliers for GRO, V8260BTEX to 3x for RUSH analysis and DRORLA to 1.5x for RUSH extractions.

Thanks.

---

**Christopher McCord**

Project Manager II | National  
Pace Analytical - National  
12065 Lebanon Road | Mt. Juliet, TN 37122  
o.615.773.3281 | c.615.504.3183 | [pacenational.com](mailto:pacenational.com)



---

**From:** Dickerson, Ryan <[Ryan.Dickerson@tetrattech.com](mailto:Ryan.Dickerson@tetrattech.com)>  
**Sent:** Thursday, August 06, 2020 1:43 PM  
**To:** Chris McCord <[CMcCord@pacenational.com](mailto:CMcCord@pacenational.com)>  
**Cc:** Llull, Christian <[Christian.Llull@tetrattech.com](mailto:Christian.Llull@tetrattech.com)>; Furse, Nik <[Nik.Furse@tetrattech.com](mailto:Nik.Furse@tetrattech.com)>  
**Subject:** L1243729

CAUTION: This email originated from outside Pace Analytical. Do not click links or open attachments unless you recognize the sender and know the content is safe.

Chris,  
Can you run all of the samples on L1243729? I think today is the last day before holding time pops.

Thanks,

**Ryan Dickerson** | Senior Staff Geologist  
Direct +1 (512) 338-2889 | Main +1 (512) 338-1667 | Cell +1 (512) 217-7254 | [ryan.dickerson@tetrattech.com](mailto:ryan.dickerson@tetrattech.com)



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## **APPENDIX E**

# **Photographic Documentation**



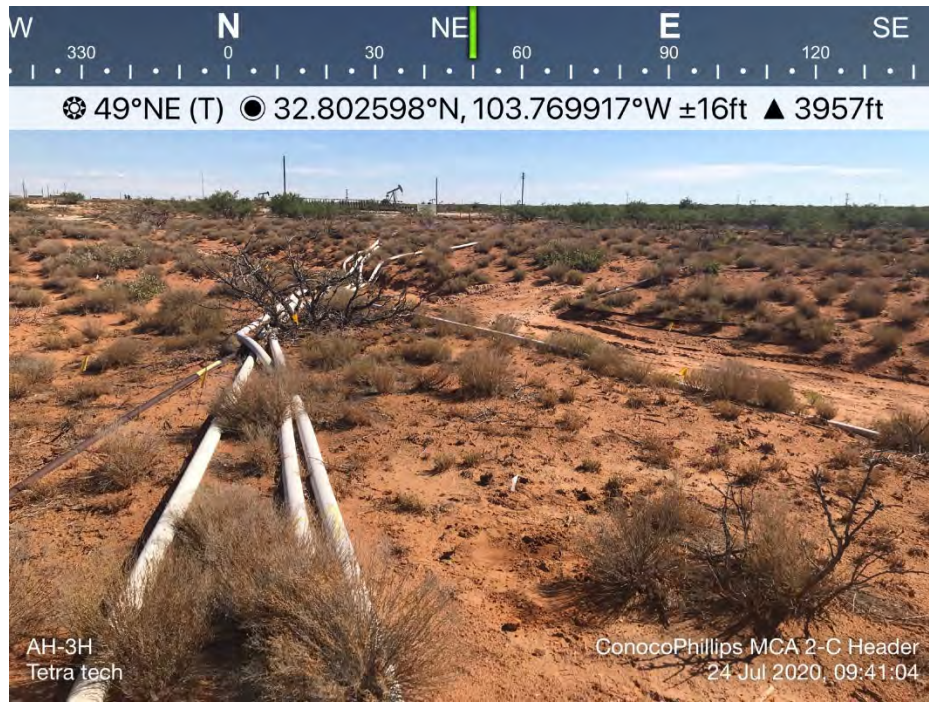


|                                                  |             |                                                |            |
|--------------------------------------------------|-------------|------------------------------------------------|------------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02119 | DESCRIPTION | View south of release extent footprint in 2018 | 1          |
|                                                  | SITE NAME   | MCA 2-C Header Release                         | 10/17/2018 |

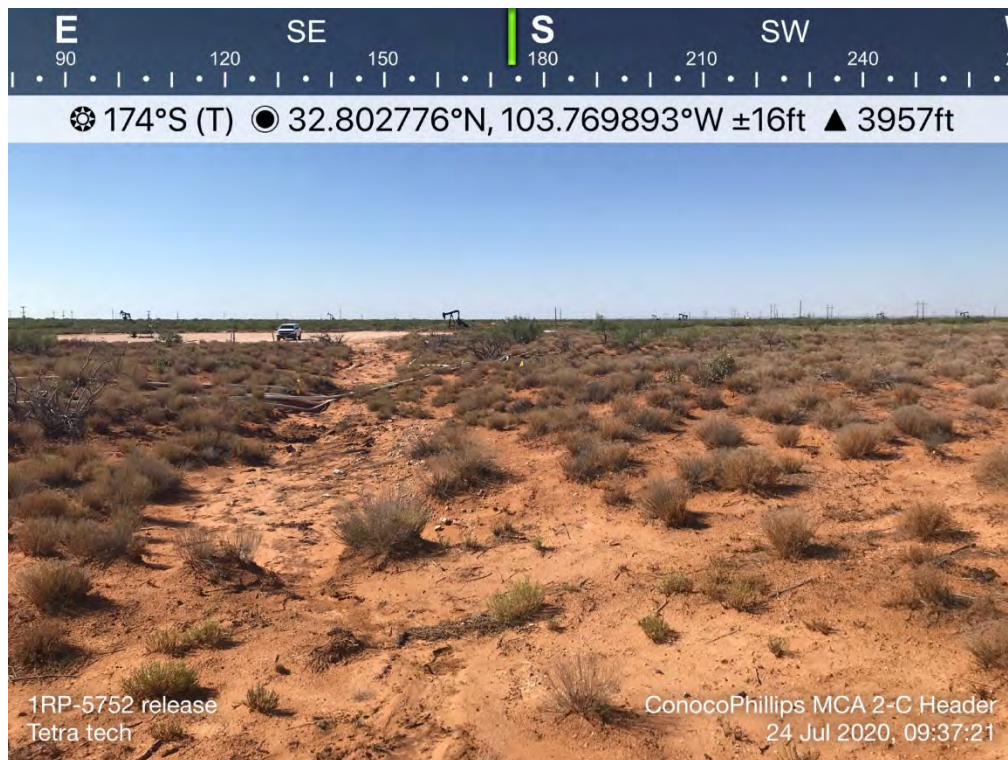


|                                                  |             |                                                                                 |            |
|--------------------------------------------------|-------------|---------------------------------------------------------------------------------|------------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02119 | DESCRIPTION | View north of the release area footprint, and<br>MCA 2-C header infrastructure. | 2          |
|                                                  | SITE NAME   | MCA 2-C Header Release                                                          | 10/17/2018 |





|                                                  |             |                                                                        |           |
|--------------------------------------------------|-------------|------------------------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02119 | DESCRIPTION | View east over release footprint, with MCA 2-C Header visible to rear. | 3         |
|                                                  | SITE NAME   | MCA 2-C Header Release                                                 | 7/24/2020 |



|                                                  |             |                                                               |           |
|--------------------------------------------------|-------------|---------------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02119 | DESCRIPTION | View south over southern end of release area and pad to rear. | 4         |
|                                                  | SITE NAME   | MCA 2-C Header Release                                        | 7/24/2020 |



## **APPENDIX F**

### **Soil Boring Logs**

|               |                                                                                             |                            |                |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|
| 212C-MD-02119 |  TETRA TECH | <b>LOG OF BORING AH-1E</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|

Project Name: MCA 2-C Header Release Boring Logs

Borehole Location: GPS: 32.802329°, -103.769669°

Surface Elevation: 3951 ft

Borehole Number: AH-1E

Borehole  
Diameter (in.): 2

Date Started: 3/2/2020

Date Finished: 3/2/2020

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD<br>SCREENING (ppm) | VOC FIELD<br>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>                                                                                                  |                                                                                               |            |               |
|            |                |        | 100                               | 0                            |                     |                      |                   |              |                  |                   |             |                                             | <b>-SP- SAND:</b> Tan, loose, medium grained to fine grained, with no odor, with no staining. | 2          | AH-1E (0'-1') |
|            |                |        | 26                                | 0                            |                     |                      |                   |              |                  |                   |             |                                             | <b>-CL- SANDY CLAY:</b> Reddish brown, medium stiff to stiff, with no odor, with no staining. | 4          | AH-1E (0'-1') |

Bottom of borehole at 4.0 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. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Drilling Equipment:</b> Hand Auger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Driller:</b> Tetra Tech                                                                                         |

|               |                                                                                             |                            |                |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|
| 212C-MD-02119 |  TETRA TECH | <b>LOG OF BORING AH-1S</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|

Project Name: MCA 2-C Header Release Boring Logs

Borehole Location: GPS: 32.802234°, -103.769734°

Surface Elevation: 3950 ft

Borehole Number: AH-1S

Borehole  
Diameter (in.): 2

Date Started: 3/2/2020

Date Finished: 3/2/2020

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD<br>SCREENING (ppm) | VOC FIELD<br>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>▽ DRY</u> ft Upon Completion of Drilling <u>▽ DRY</u> ft |                                                                                               |            |               |
|            |                |        |                                   |                              |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b>                                                                   |                                                                                               |            |               |
|            |                |        | 120                               | 0                            |                     |                      |                   |              |                  |                   |             |              | <b>-SP- SAND:</b> Tan, loose, medium grained to fine grained, with no odor, with no staining. | 2          | AH-1S (0'-1') |
|            |                |        | 95                                |                              |                     |                      |                   |              |                  |                   |             |              | <b>-CL- SANDY CLAY:</b> Reddish brown, medium stiff to stiff, with no odor, with no staining. | 4          | AH-1S (0'-1') |

Bottom of borehole at 4.0 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> Mud Rotary<br> Continuous Flight Auger<br> Wash Rotary<br> 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. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Drilling Equipment:</b> Hand Auger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Driller:</b> Tetra Tech                                                                                         |

|               |                                                                                             |                            |                |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|
| 212C-MD-02119 |  TETRA TECH | <b>LOG OF BORING AH-1W</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|

Project Name: MCA 2-C Header Release Boring Logs

Borehole Location: GPS: 32.802323°, -103.769840°

Surface Elevation: 3951 ft

Borehole Number: AH-1W

Borehole  
Diameter (in.): 2

Date Started: 3/2/2020

Date Finished: 3/2/2020

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD<br>SCREENING (ppm) | VOC FIELD<br>SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT<br>LL | PLASTICITY INDEX<br>PI | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS |                                                                                                                              | DEPTH (ft) | REMARKS       |
|------------|----------------|--------|-----------------------------------|------------------------------|---------------------|----------------------|-------------------|--------------------|------------------------|-------------------|-------------|--------------------------|------------------------------------------------------------------------------------------------------------------------------|------------|---------------|
|            |                |        |                                   |                              |                     |                      |                   |                    |                        |                   |             | While Drilling           | Upon Completion of Drilling                                                                                                  |            |               |
|            |                |        | ExStik                            | PID                          |                     |                      |                   |                    |                        |                   |             |                          | <b>WATER LEVEL OBSERVATIONS</b><br>While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br>Remarks: |            |               |
|            |                |        | 27                                | 0                            |                     |                      |                   |                    |                        |                   |             |                          | -SP- SAND: Tan, loose, medium grained to fine grained, with no odor, with no staining.                                       | 2          | AH-1W (0'-1') |
|            |                |        | 56                                | 0                            |                     |                      |                   |                    |                        |                   |             |                          | -CL- SANDY CLAY; Reddish brown, medium stiff to stiff, with no odor, with no staining.                                       | 4          | AH-1W (0'-1') |

Bottom of borehole at 4.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
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| <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> Mud Rotary<br> Continuous Flight Auger<br> Wash Rotary<br> 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. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Drilling Equipment:</b> Hand Auger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Driller:</b> Tetra Tech                                                                                         |

|                                                  |                |                   |                                |                            |                            |                        |                   |                         |                  |                   |                           |                                                                                        |  |         |                                                                                        |
|--------------------------------------------------|----------------|-------------------|--------------------------------|----------------------------|----------------------------|------------------------|-------------------|-------------------------|------------------|-------------------|---------------------------|----------------------------------------------------------------------------------------|--|---------|----------------------------------------------------------------------------------------|
| 212C-MD-02119                                    |                | <b>TETRA TECH</b> |                                | <b>LOG OF BORING AH-2E</b> |                            |                        |                   | Page<br>1 of 1          |                  |                   |                           |                                                                                        |  |         |                                                                                        |
| Project Name: MCA 2-C Header Release Boring Logs |                |                   |                                |                            |                            |                        |                   |                         |                  |                   |                           |                                                                                        |  |         |                                                                                        |
| Borehole Location: GPS: 32.802473°, -103.769701° |                |                   |                                |                            | Surface Elevation: 3951 ft |                        |                   |                         |                  |                   |                           |                                                                                        |  |         |                                                                                        |
| Borehole Number: AH-2E                           |                |                   |                                | Borehole Diameter (in.): 2 |                            | Date Started: 3/2/2020 |                   | Date Finished: 3/2/2020 |                  |                   |                           |                                                                                        |  |         |                                                                                        |
| 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                                                               |  |         |                                                                                        |
|                                                  |                |                   | ExStik                         | PID                        |                            |                        |                   |                         |                  |                   |                           | While Drilling <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft          |  |         |                                                                                        |
| Remarks:                                         |                |                   |                                |                            |                            |                        |                   |                         |                  |                   |                           | DEPTH (ft)                                                                             |  | REMARKS |                                                                                        |
| MATERIAL DESCRIPTION                             |                |                   |                                |                            |                            |                        |                   |                         |                  |                   |                           |                                                                                        |  |         |                                                                                        |
| 1                                                | X              | X                 | 58                             | 0                          |                            |                        |                   |                         |                  |                   | [Pattern: Dotted]         | -SP- SAND: Tan, loose, medium grained to fine grained, with no odor, with no staining. |  |         |                                                                                        |
| 2                                                |                |                   |                                |                            |                            |                        |                   |                         |                  |                   | [Pattern: Diagonal Lines] |                                                                                        |  |         | -CL- SANDY CLAY; Reddish brown, medium stiff to stiff, with no odor, with no staining. |
| 4                                                | X              | X                 | 26                             | 0                          |                            |                        |                   |                         |                  |                   |                           | AH-2E (0'-1')                                                                          |  |         |                                                                                        |
| Bottom of borehole at 4.0 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. |
| <b>Logger:</b> Adrian Garcia                                                 |                                                       | <b>Drilling Equipment:</b> Hand Auger                                           |                                                        | <b>Driller:</b> Tetra Tech                                                                                         |

|               |                                                                                             |                            |                |
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| 212C-MD-02119 |  TETRA TECH | <b>LOG OF BORING AH-2W</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|

Project Name: MCA 2-C Header Release Boring Logs

Borehole Location: GPS: 32.802470°, -103.769875°

Surface Elevation: 3951 ft

Borehole Number: AH-2W

Borehole  
Diameter (in.): 2

Date Started: 3/2/2020

Date Finished: 3/2/2020

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD<br>SCREENING (ppm) | VOC FIELD<br>SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | LIQUID LIMIT<br>LL | PLASTICITY INDEX<br>PI | MINUS NO. 200 (%) | GRAPHIC LOG | WATER LEVEL OBSERVATIONS |                                                                                                                           | DEPTH (ft) | REMARKS       |
|------------|----------------|--------|-----------------------------------|------------------------------|---------------------|----------------------|-------------------|--------------------|------------------------|-------------------|-------------|--------------------------|---------------------------------------------------------------------------------------------------------------------------|------------|---------------|
|            |                |        |                                   |                              |                     |                      |                   |                    |                        |                   |             | While Drilling           | Upon Completion of Drilling                                                                                               |            |               |
|            |                |        | ExStik                            | PID                          |                     |                      |                   |                    |                        |                   |             |                          | <b>WATER LEVEL OBSERVATIONS</b><br>While Drilling <u>▽ DRY</u> ft Upon Completion of Drilling <u>▽ DRY</u> ft<br>Remarks: |            |               |
|            |                |        | 54                                | 0                            |                     |                      |                   |                    |                        |                   |             |                          | -SP- SAND: Tan, loose, medium grained to fine grained, with no odor, with no staining.                                    | 2          | AH-2W (0'-1') |
|            |                |        | 480                               | 0                            |                     |                      |                   |                    |                        |                   |             |                          | -CL- SANDY CLAY; Reddish brown, medium stiff to stiff, with no odor, with no staining.                                    | 4          | AH-2W (0'-1') |

Bottom of borehole at 4.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
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| <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. |
| Logger: Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Drilling Equipment: Hand Auger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Driller: Tetra Tech                                                                                                |

|                                                  |                |                   |                                |                            |                            |                        |                   |                         |                  |                   |             |                                                                                                                                  |                                                                                        |         |               |
|--------------------------------------------------|----------------|-------------------|--------------------------------|----------------------------|----------------------------|------------------------|-------------------|-------------------------|------------------|-------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------|---------|---------------|
| 212C-MD-02119                                    |                | <b>TETRA TECH</b> |                                | <b>LOG OF BORING AH-3E</b> |                            |                        |                   | Page<br>1 of 1          |                  |                   |             |                                                                                                                                  |                                                                                        |         |               |
| Project Name: MCA 2-C Header Release Boring Logs |                |                   |                                |                            |                            |                        |                   |                         |                  |                   |             |                                                                                                                                  |                                                                                        |         |               |
| Borehole Location: GPS: 32.802614°, -103.769760° |                |                   |                                |                            | Surface Elevation: 3951 ft |                        |                   |                         |                  |                   |             |                                                                                                                                  |                                                                                        |         |               |
| Borehole Number: AH-3E                           |                |                   |                                | Borehole Diameter (in.): 2 |                            | Date Started: 3/3/2020 |                   | Date Finished: 3/3/2020 |                  |                   |             |                                                                                                                                  |                                                                                        |         |               |
| 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 <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br><br>Remarks: |                                                                                        |         |               |
|                                                  |                |                   | ExStik                         | PID                        |                            |                        |                   | LL                      | PI               |                   |             | MATERIAL DESCRIPTION                                                                                                             | DEPTH (ft)                                                                             | REMARKS |               |
| 0                                                | X              | X                 | 54                             | 0                          |                            |                        |                   |                         |                  |                   | 0           | -                                                                                                                                | -SP- SAND: Tan, loose, medium grained to fine grained, with no odor, with no staining. | 0       | AH-3E (0'-1') |
| 2                                                | X              | X                 | 120                            | 0                          |                            |                        |                   |                         |                  |                   | 2           | -                                                                                                                                | -CL- SANDY CLAY; Reddish tan, medium stiff to stiff, with no odor, with no staining.   | 2       | AH-3E (0'-1') |
| 4                                                | X              | X                 |                                |                            |                            |                        |                   |                         |                  |                   | 4           | Bottom of borehole at 4.0 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.<br>Surface elevation is an estimated value. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                  | <b>Drilling Equipment:</b> Hand Auger                                                                                                                                                                                                                                                          | <b>Driller:</b> Tetra Tech                                                                                         |



|               |                   |                            |                |
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| 212C-MD-02119 | <b>TETRA TECH</b> | <b>LOG OF BORING AH-3W</b> | Page<br>1 of 1 |
|---------------|-------------------|----------------------------|----------------|

Project Name: MCA 2-C Header Release Boring Logs

Borehole Location: GPS: 32.802601°, -103.769890°

Surface Elevation: 3951 ft

Borehole Number: AH-3W

Borehole  
Diameter (in.): 2

Date Started: 3/3/2020

Date Finished: 3/3/2020

| 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>                                                                      |                                                                                        |            |               |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                  |                                                                                        |            |               |
|            |                |        | 200                            | 0                         |                     |                      |                   |              |                  |                   |             |                                                                                                  | -SP- SAND: Tan, loose, medium grained to fine grained, with no odor, with no staining. | 2          | AH-3W (0'-1') |
|            |                |        |                                | 0                         |                     |                      |                   |              |                  |                   |             |                                                                                                  | -CL- SANDY CLAY; Reddish tan, medium stiff to stiff, with no odor, with no staining.   | 4          | AH-3W (0'-1') |

Bottom of borehole at 4.0 feet.

|                                                                                                                                       |                                                                                                                                           |                                                                                                                    |
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| <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>Mud Rotary<br>Continuous Flight Auger<br>Wash Rotary<br>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. |
| <b>Logger:</b> Adrian Garcia                                                                                                          | <b>Drilling Equipment:</b> Hand Auger                                                                                                     | <b>Driller:</b> Tetra Tech                                                                                         |

|               |                                                                                             |                            |                |
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| 212C-MD-02119 |  TETRA TECH | <b>LOG OF BORING AH-4E</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|

Project Name: MCA 2-C Header Release Boring Logs

Borehole Location: GPS: 32.802742°, -103.769778°

Surface Elevation: 3952 ft

Borehole Number: AH-4E

Borehole  
Diameter (in.): 2

Date Started: 3/3/2020

Date Finished: 3/3/2020

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD<br>SCREENING (ppm) | VOC FIELD<br>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>▽ DRY</u> ft Upon Completion of Drilling <u>▽ DRY</u> ft |                             |            |               |
|            |                |        |                                   |                              |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b>                                                                   |                             |            |               |
|            |                |        | 26                                | 0.1                          |                     |                      |                   |              |                  |                   |             | <b>-SM-</b> SILTY SAND; Red, loose, fine grained, with no odor, with no staining.             |                             | 2          | AH-4E (0'-1') |
|            |                |        | 1400                              | 0                            |                     |                      |                   |              |                  |                   |             | <b>-ML-</b> SILT; White, dense, caliche, with no odor, with no staining.                      |                             | 4          | AH-4E (0'-1') |

Bottom of borehole at 4.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
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| <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. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Drilling Equipment:</b> Hand Auger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Driller:</b> Tetra Tech                                                                                         |

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| 212C-MD-02119 |  TETRA TECH | <b>LOG OF BORING AH-4W</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|

Project Name: MCA 2-C Header Release Boring Logs

Borehole Location: GPS: 32.802723°, -103.769913°

Surface Elevation: 3952 ft

Borehole Number: AH-4W

Borehole  
Diameter (in.): 2

Date Started: 3/3/2020

Date Finished: 3/3/2020

| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD<br>SCREENING (ppm) | VOC FIELD<br>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>                                                                      |                             |            |               |
|            |                |        | 23                                | 0                            |                     |                      |                   |              |                  |                   |             | <b>-SM-</b> SILTY SAND; Red, loose, fine grained, with no odor, with no staining.                |                             | 2          | AH-4W (0'-1') |
|            |                |        | 695                               | 0                            |                     |                      |                   |              |                  |                   |             | <b>-ML-</b> SILT; White, dense, caliche, with no odor, with no staining.                         |                             | 4          | AH-4W (0'-1') |

Bottom of borehole at 4.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
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| <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. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Drilling Equipment:</b> Hand Auger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Driller:</b> Tetra Tech                                                                                         |

|               |                                                                                             |                            |                |
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| 212C-MD-02119 |  TETRA TECH | <b>LOG OF BORING AH-9E</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|

Project Name: MCA 2-C Header Release Boring Logs

Borehole Location: GPS: 32.803751°, -103.769990°

Surface Elevation: 3959 ft

Borehole Number: AH-9E

Borehole  
Diameter (in.): 2

Date Started: 3/6/2020

Date Finished: 3/6/2020

| 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>▽ DRY</u> ft Upon Completion of Drilling <u>▽ DRY</u> ft |                             |            |               |
|            |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b>                                                                   |                             |            |               |
|            |                |        | 28                             | 0                         |                     |                      |                   |              |                  |                   |             | <b>-SM-</b> SILTY SAND; Red, loose, fine grained, with no odor, with no staining.             |                             | 2          | AH-9E (0'-1') |
|            |                |        | 375                            | 0                         |                     |                      |                   |              |                  |                   |             | <b>-ML-</b> SILT; White, dense, caliche, with no odor, with no staining.                      |                             | 4          | AH-9E (0'-1') |

Bottom of borehole at 4.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
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| <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> Mud Rotary<br> Continuous Flight Auger<br> Wash Rotary<br> 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. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | <b>Drilling Equipment:</b> Hand Auger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | <b>Driller:</b> Tetra Tech                                                                                         |

|               |                                                                                             |                            |                |
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| 212C-MD-02119 |  TETRA TECH | <b>LOG OF BORING AH-9W</b> | Page<br>1 of 1 |
|---------------|---------------------------------------------------------------------------------------------|----------------------------|----------------|

Project Name: MCA 2-C Header Release Boring Logs

Borehole Location: GPS: 32.803726°, -103.770242°

Surface Elevation: 3960 ft

Borehole Number: AH-9W

Borehole  
Diameter (in.): 2

Date Started: 3/6/2020

Date Finished: 3/6/2020

| 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                 |                             |            |               |
|            |                |        | 400                            | 0                         |                     |                      |                   |              |                  |                   |             | <b>MATERIAL DESCRIPTION</b><br><b>-SM-</b> SILTY SAND; Red, loose, fine grained, with no odor, with no staining. |                             | 2          | AH-9W (0'-1') |
|            |                |        | 375                            | 0                         |                     |                      |                   |              |                  |                   |             | <b>-ML-</b> SILT; White, dense, caliche, with no odor, with no staining.                                         |                             | 4          |               |

Bottom of borehole at 4.0 feet.

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                                                                                                                    |
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| <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> Mud Rotary<br> Continuous Flight Auger<br> Wash Rotary<br> 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. |
| Logger: Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Drilling Equipment: Hand Auger                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Driller: Tetra Tech                                                                                                |

|                                                  |                |                   |                                |                            |                            |                        |                   |                         |                  |                   |             |                                                                                                                                  |            |                |
|--------------------------------------------------|----------------|-------------------|--------------------------------|----------------------------|----------------------------|------------------------|-------------------|-------------------------|------------------|-------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|------------|----------------|
| 212C-MD-02119                                    |                | <b>TETRA TECH</b> |                                | LOG OF BORING AH-10E       |                            |                        |                   | Page<br>1 of 1          |                  |                   |             |                                                                                                                                  |            |                |
| Project Name: MCA 2-C Header Release Boring Logs |                |                   |                                |                            |                            |                        |                   |                         |                  |                   |             |                                                                                                                                  |            |                |
| Borehole Location: GPS: 32.803278°, -103.769904° |                |                   |                                |                            | Surface Elevation: 3956 ft |                        |                   |                         |                  |                   |             |                                                                                                                                  |            |                |
| Borehole Number: AH-10E                          |                |                   |                                | Borehole Diameter (in.): 2 |                            | Date Started: 3/9/2020 |                   | Date Finished: 3/9/2020 |                  |                   |             |                                                                                                                                  |            |                |
| 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 <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br><br>Remarks: |            |                |
|                                                  |                |                   | ExStik                         | PID                        |                            |                        |                   |                         |                  |                   |             | MATERIAL DESCRIPTION                                                                                                             | DEPTH (ft) | REMARKS        |
| 1                                                | X              | X                 | 29                             | 0                          |                            |                        |                   |                         |                  |                   | 1           | -SM- SILTY SAND; Red, loose, fine grained, with no odor, with no staining.                                                       | 1          | AH-10E (0'-1') |
| 2                                                | X              | X                 | 67                             | 0                          |                            |                        |                   |                         |                  |                   | 2           | -CL- LEAN CLAY: Red; with no odor, with no staining.                                                                             | 2          |                |
| 4                                                | X              | X                 |                                |                            |                            |                        |                   |                         |                  |                   | 4           |                                                                                                                                  | 4          | AH-10E (0'-1') |
| Bottom of borehole at 4.0 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. |
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|                       |                                |                     |
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| Logger: Adrian Garcia | Drilling Equipment: Hand Auger | Driller: Tetra Tech |
|-----------------------|--------------------------------|---------------------|

|                                                  |                |                   |                                |                             |                            |                        |                   |                         |                  |                   |             |                                                                                                                                  |            |                |
|--------------------------------------------------|----------------|-------------------|--------------------------------|-----------------------------|----------------------------|------------------------|-------------------|-------------------------|------------------|-------------------|-------------|----------------------------------------------------------------------------------------------------------------------------------|------------|----------------|
| 212C-MD-02119                                    |                | <b>TETRA TECH</b> |                                | <b>LOG OF BORING AH-10W</b> |                            |                        |                   | Page<br>1 of 1          |                  |                   |             |                                                                                                                                  |            |                |
| Project Name: MCA 2-C Header Release Boring Logs |                |                   |                                |                             |                            |                        |                   |                         |                  |                   |             |                                                                                                                                  |            |                |
| Borehole Location: GPS: 32.803254°, -103.770044° |                |                   |                                |                             | Surface Elevation: 3956 ft |                        |                   |                         |                  |                   |             |                                                                                                                                  |            |                |
| Borehole Number: AH-10W                          |                |                   |                                | Borehole Diameter (in.): 2  |                            | Date Started: 3/9/2020 |                   | Date Finished: 3/9/2020 |                  |                   |             |                                                                                                                                  |            |                |
| 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 <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br><br>Remarks: |            |                |
|                                                  |                |                   | ExStik                         | PID                         |                            |                        |                   |                         |                  |                   |             | MATERIAL DESCRIPTION                                                                                                             | DEPTH (ft) | REMARKS        |
| 1                                                | X              | X                 | 35                             | 0                           |                            |                        |                   |                         |                  |                   | [Pattern]   | -SM- SILTY SAND; Red, loose, fine grained, with no odor, with no staining.                                                       | 1          | AH-10W (0'-1') |
| 2                                                |                |                   |                                |                             |                            |                        |                   |                         |                  |                   | [Pattern]   | -CL- LEAN CLAY: Red; with no odor, with no staining.                                                                             | 2          |                |
| 4                                                |                |                   | 58                             | 0                           |                            |                        |                   |                         |                  |                   | [Pattern]   |                                                                                                                                  | 4          |                |
| Bottom of borehole at 4.0 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. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                  | <b>Drilling Equipment:</b> Hand Auger                                                                                                                                                                                                                                                          | <b>Driller:</b> Tetra Tech                                                                                         |



|                                                  |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |             |                                                                                                                              |            |                |
|--------------------------------------------------|----------------|-------------------|--------------------------------|----------------------------|----------------------------|-------------------------|-------------------|--------------------------|------------------|-------------------|-------------|------------------------------------------------------------------------------------------------------------------------------|------------|----------------|
| 212C-MD-02119                                    |                | <b>TETRA TECH</b> |                                | LOG OF BORING AH-11E       |                            |                         |                   | Page<br>1 of 1           |                  |                   |             |                                                                                                                              |            |                |
| Project Name: MCA 2-C Header Release Boring Logs |                |                   |                                |                            |                            |                         |                   |                          |                  |                   |             |                                                                                                                              |            |                |
| Borehole Location: GPS: 32.803034°, -103.769871° |                |                   |                                |                            | Surface Elevation: 3954 ft |                         |                   |                          |                  |                   |             |                                                                                                                              |            |                |
| Borehole Number: AH-11E                          |                |                   |                                | Borehole Diameter (in.): 2 |                            | Date Started: 3/10/2020 |                   | Date Finished: 3/10/2020 |                  |                   |             |                                                                                                                              |            |                |
| 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 <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br>Remarks: |            |                |
|                                                  |                |                   | ExStik                         | PID                        |                            |                         |                   | LL                       | PI               |                   |             | MATERIAL DESCRIPTION                                                                                                         | DEPTH (ft) | REMARKS        |
| 1                                                | X              | X                 | 54                             | 0                          |                            |                         |                   |                          |                  |                   | 1           | -SM- SILTY SAND; Red, loose, fine grained, with no odor, with no staining.                                                   | 0'-1'      | AH-11E (0'-1') |
| 2                                                |                |                   |                                |                            |                            |                         |                   |                          |                  |                   | 2           | -CL- SANDY CLAY; Reddish brown, medium stiff to stiff, with no odor, with no staining.                                       |            |                |
| 3                                                |                |                   |                                |                            |                            |                         |                   |                          |                  |                   | 3           |                                                                                                                              |            |                |
| 4                                                |                |                   | 325                            | 0                          |                            |                         |                   |                          |                  |                   | 4           |                                                                                                                              |            | AH-11E (0'-1') |
| Bottom of borehole at 4.0 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. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                | <b>Drilling Equipment:</b> Hand Auger                                                                              |
| <b>Driller:</b> Tetra Tech                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                |                                                                                                                    |

|                                                  |                |                   |                                |                           |                     |                      |                   |              |                  |                            |             |                                                                                                                                  |  |  |                            |  |  |  |  |                         |  |            |                |  |  |  |                |  |
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| 212C-MD-02119                                    |                | <b>TETRA TECH</b> |                                |                           |                     |                      |                   |              |                  |                            |             | <b>LOG OF BORING AH-11W</b>                                                                                                      |  |  |                            |  |  |  |  |                         |  |            |                |  |  |  | Page<br>1 of 1 |  |
| Project Name: MCA 2-C Header Release Boring Logs |                |                   |                                |                           |                     |                      |                   |              |                  |                            |             |                                                                                                                                  |  |  |                            |  |  |  |  |                         |  |            |                |  |  |  |                |  |
| Borehole Location: GPS: 32.803015°, -103.769984° |                |                   |                                |                           |                     |                      |                   |              |                  |                            |             |                                                                                                                                  |  |  | Surface Elevation: 3954 ft |  |  |  |  |                         |  |            |                |  |  |  |                |  |
| Borehole Number: AH-11W                          |                |                   |                                |                           |                     |                      |                   |              |                  | Borehole Diameter (in.): 2 |             |                                                                                                                                  |  |  | Date Started: 3/9/2020     |  |  |  |  | Date Finished: 3/9/2020 |  |            |                |  |  |  |                |  |
| 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 <u>▽</u> DRY ft    Upon Completion of Drilling <u>▽</u> DRY ft<br><br>Remarks: |  |  |                            |  |  |  |  |                         |  |            |                |  |  |  |                |  |
|                                                  |                |                   |                                |                           |                     |                      |                   |              |                  |                            |             | <b>MATERIAL DESCRIPTION</b>                                                                                                      |  |  |                            |  |  |  |  |                         |  | DEPTH (ft) | REMARKS        |  |  |  |                |  |
|                                                  |                |                   | 38                             | 0                         |                     |                      |                   |              |                  |                            |             | <b>-SM-</b> SILTY SAND; Red, loose, fine grained, with no odor, with no staining.                                                |  |  |                            |  |  |  |  |                         |  | 1          | AH-11W (0'-1') |  |  |  |                |  |
|                                                  |                |                   | 413                            | 0                         |                     |                      |                   |              |                  |                            |             | <b>-CL-</b> SANDY CLAY; Reddish brown, medium stiff to stiff, with no odor, with no staining.                                    |  |  |                            |  |  |  |  |                         |  | 2          |                |  |  |  |                |  |
|                                                  |                |                   |                                |                           |                     |                      |                   |              |                  |                            |             | Bottom of borehole at 4.0 feet.                                                                                                  |  |  |                            |  |  |  |  |                         |  | 4          | AH-11W (0'-1') |  |  |  |                |  |

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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> |
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**Notes:**

Analytical samples are shown in the "Remarks" column.  
 Surface elevation is an estimated value.

Logger: Adrian Garcia

Drilling Equipment: Hand Auger

Driller: Tetra Tech

|                                                                              |                |                   |                                           |                              |                                |                                                                              |                   |                         |                                                        |                                   |             |                                                                                                                                                                   |            |             |             |  |
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| 212C-MD-02119                                                                |                | <b>TETRA TECH</b> |                                           | LOG OF TEST PIT T-1          |                                |                                                                              |                   | Page<br>1 of 1          |                                                        |                                   |             |                                                                                                                                                                   |            |             |             |  |
| Project Name: MCA 2-C Header Release Test Pits                               |                |                   |                                           |                              |                                |                                                                              |                   |                         |                                                        |                                   |             |                                                                                                                                                                   |            |             |             |  |
| Test Pit Location: GPS: 32.802324°, -103.769746°                             |                |                   |                                           | Surface Elevation: 3951 ft   |                                |                                                                              |                   |                         |                                                        |                                   |             |                                                                                                                                                                   |            |             |             |  |
| Test Pit Number: T-1                                                         |                |                   |                                           | Hand Auger Diameter (in.): 2 |                                | Date Started: 3/2/2020                                                       |                   | Date Finished: 3/2/2020 |                                                        |                                   |             |                                                                                                                                                                   |            |             |             |  |
| 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<br>While Exc. <u>▽</u> DRY ft    Upon Completion of Exc. <u>▽</u> DRY ft<br><br>Remarks:                                                 |            |             |             |  |
|                                                                              |                |                   | ExStik                                    | PID                          |                                |                                                                              |                   | LL                      | PI                                                     |                                   |             | MATERIAL DESCRIPTION                                                                                                                                              | DEPTH (ft) | REMARKS     |             |  |
| 5                                                                            |                |                   | 395                                       | 0.1                          |                                |                                                                              |                   |                         |                                                        |                                   |             | <b>-SP-</b> SANDY CLAY; Reddish brown, medium stiff to stiff, with no odor, with no staining.                                                                     |            |             | T-1 (1'-2') |  |
|                                                                              |                |                   | 390                                       |                              |                                |                                                                              |                   |                         |                                                        |                                   |             |                                                                                                                                                                   | 4.5        | T-1 (3'-4') |             |  |
|                                                                              |                |                   | 190                                       | 0                            |                                |                                                                              |                   |                         |                                                        |                                   |             |                                                                                                                                                                   | 6          | T-1 (5'-6') |             |  |
| Bottom of borehole at 6.0 feet.                                              |                |                   |                                           |                              |                                |                                                                              |                   |                         |                                                        |                                   |             |                                                                                                                                                                   |            |             |             |  |
| <b>Sampler Types:</b><br>Split Spoon<br>Shelby<br>Bulk Sample<br>Grab Sample |                |                   | Acetate Liner<br>Vane Shear<br>California |                              |                                | <b>Operation Types:</b><br>Mud Rotary<br>Continuous Flight Auger<br>Test Pit |                   |                         | 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.<br>Soil samples were collected via hand auger. |            |             |             |  |
| Logger: Adrian Garcia                                                        |                |                   |                                           |                              | Exc. Equipment: Mini-Excavator |                                                                              |                   |                         |                                                        | Contractor: McNabb Services, Inc. |             |                                                                                                                                                                   |            |             |             |  |

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |                                |                           |                     |                      |                   |              |                  |                                |             |                                                                                                                          |                                                                         |  |                              |  |  |  |  |                                   |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
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| 212C-MD-02119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                 | <b>TETRA TECH</b>                                                                                                                                                 |                                |                           |                     |                      |                   |              |                  |                                |             | <b>LOG OF TEST PIT T-2</b>                                                                                               |                                                                         |  |                              |  |  |  |  |                                   |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 | Page<br>1 of 1                                                                                                                                                    |  |  |
| Project Name: MCA 2-C Header Release Test Pits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |                                |                           |                     |                      |                   |              |                  |                                |             |                                                                                                                          |                                                                         |  |                              |  |  |  |  |                                   |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
| Test Pit Location: GPS: 32.802473°, -103.769800°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |                                |                           |                     |                      |                   |              |                  |                                |             |                                                                                                                          |                                                                         |  | Surface Elevation: 3951 ft   |  |  |  |  |                                   |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
| Test Pit Number: T-2                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |                                |                           |                     |                      |                   |              |                  |                                |             |                                                                                                                          |                                                                         |  | Hand Auger Diameter (in.): 2 |  |  |  |  | Date Started: 3/2/2020            |  |             |              |                                | Date Finished: 3/2/2020                                                                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
| 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 Exc. <u>▽</u> DRY ft    Upon Completion of Exc. <u>▽</u> DRY ft<br><br>Remarks: |                                                                         |  |                              |  |  |  |  |                                   |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |                                |                           |                     |                      |                   |              |                  |                                |             | <b>MATERIAL DESCRIPTION</b>                                                                                              |                                                                         |  |                              |  |  |  |  |                                   |  | DEPTH (ft)  | REMARKS      |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
| 5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | Hand                                                                                                                                                                                                                                                                                            | Hand                                                                                                                                                              | 400                            | 0                         |                     |                      |                   |              |                  |                                |             | <b>-CL- SANDY CLAY;</b> Reddish brown, medium stiff to stiff, with no odor, with no staining.                            |                                                                         |  |                              |  |  |  |  |                                   |  | T-2 (1'-2') | 4.5<br><br>6 | T-2 (3'-4')<br><br>T-2 (5'-6') |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   | 200                            |                           |                     |                      |                   |              |                  |                                |             |                                                                                                                          | <b>-ML- SILT;</b> Pink, dense, calicle, with no odor, with no staining. |  |                              |  |  |  |  |                                   |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   | 315                            |                           |                     |                      |                   |              |                  |                                |             |                                                                                                                          |                                                                         |  |                              |  |  |  |  |                                   |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
| Bottom of borehole at 6.0 feet.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |                                |                           |                     |                      |                   |              |                  |                                |             |                                                                                                                          |                                                                         |  |                              |  |  |  |  |                                   |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
| <table border="0" style="width:100%;"> <tr> <td style="width:30%; vertical-align: top;"> <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           </div> </div> </td> <td style="width:30%; vertical-align: top;"> <b>Operation Types:</b><br/> <div style="display: flex; flex-wrap: wrap;"> <div style="width: 50%;">  Mud Rotary<br/>  Continuous Flight Auger<br/>  Test Pit           </div> <div style="width: 50%;">  Hand Auger<br/>  Air Rotary<br/>  Direct Push<br/>  Core Barrel           </div> </div> </td> <td style="width:40%; vertical-align: top;"> <b>Notes:</b><br/>           Analytical samples are shown in the "Remarks" column.<br/>           Surface elevation is an estimated value.<br/>           Soil samples were collected via hand auger.         </td> </tr> </table> |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |                                |                           |                     |                      |                   |              |                  |                                |             |                                                                                                                          |                                                                         |  |                              |  |  |  |  |                                   |  |             |              |                                | <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           </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/>  Test Pit           </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.<br>Soil samples were collected via hand auger. |  |  |
| <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           </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/>  Test Pit           </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.<br>Soil samples were collected via hand auger. |                                |                           |                     |                      |                   |              |                  |                                |             |                                                                                                                          |                                                                         |  |                              |  |  |  |  |                                   |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |
| Logger: Adrian Garcia                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |                                |                           |                     |                      |                   |              |                  | Exc. Equipment: Mini-Excavator |             |                                                                                                                          |                                                                         |  |                              |  |  |  |  | Contractor: McNabb Services, Inc. |  |             |              |                                |                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                 |                                                                                                                                                                   |  |  |

|                                                  |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                                                          |                                                                                                  |            |               |
|--------------------------------------------------|----------------|-------------------|--------------------------------|------------------------------|----------------------------|------------------------|-------------------|-------------------------|------------------|-------------------|-------------|--------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|------------|---------------|
| 212C-MD-02119                                    |                | <b>TETRA TECH</b> |                                | <b>LOG OF TEST PIT T-3</b>   |                            |                        |                   | Page<br>1 of 1          |                  |                   |             |                                                                                                                          |                                                                                                  |            |               |
| Project Name: MCA 2-C Header Release Test Pits   |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             |                                                                                                                          |                                                                                                  |            |               |
| Test Pit Location: GPS: 32.802610°, -103.769826° |                |                   |                                |                              | Surface Elevation: 3951 ft |                        |                   |                         |                  |                   |             |                                                                                                                          |                                                                                                  |            |               |
| Test Pit Number: T-3                             |                |                   |                                | Hand Auger Diameter (in.): 2 |                            | Date Started: 3/3/2020 |                   | Date Finished: 3/3/2020 |                  |                   |             |                                                                                                                          |                                                                                                  |            |               |
| 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 Exc. <u>▽</u> DRY ft    Upon Completion of Exc. <u>▽</u> DRY ft<br><br>Remarks: |                                                                                                  |            |               |
|                                                  |                |                   |                                |                              |                            |                        |                   |                         |                  |                   |             | MATERIAL DESCRIPTION                                                                                                     |                                                                                                  | DEPTH (ft) | REMARKS       |
| 5                                                | Hand           | Hand              | 1929                           | 499                          |                            |                        |                   |                         |                  |                   |             | 4.5                                                                                                                      | <b>-CL-</b> SANDY CLAY; Reddish brown, medium stiff to stiff, with light odor, with no staining. |            | T-3 (1'-2')   |
|                                                  |                |                   | 2400                           | 4.8                          |                            |                        |                   |                         |                  |                   | T-3 (3'-4') |                                                                                                                          |                                                                                                  |            |               |
|                                                  |                |                   | 1200                           | 2.2                          |                            |                        |                   |                         |                  |                   | T-3 (5'-6') |                                                                                                                          |                                                                                                  |            |               |
|                                                  |                |                   | 1250                           | 3                            |                            |                        |                   |                         |                  |                   | T-3 (6'-7') |                                                                                                                          |                                                                                                  |            |               |
|                                                  |                |                   | 1220                           |                              |                            |                        |                   |                         |                  |                   | T-3 (8'-9') |                                                                                                                          |                                                                                                  |            |               |
| 10                                               | Hand           | Hand              | 924                            |                              |                            |                        |                   |                         |                  |                   |             | 11                                                                                                                       | <b>-ML-</b> SILT; Pink, dense, caliche, with no odor, with no staining.                          |            | T-3 (10'-11') |
| Bottom of borehole at 11.0 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         </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/>  Test Pit         </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.<br>Soil samples were collected via hand auger. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                                                                   |                                                                                                                                                                                                                                                                                             | <b>Exc. Equipment:</b> Mini-Excavator                                                                                                                             |
| <b>Contractor:</b> McNabb Services, Inc.                                                                                                                                                                                                                                       |                                                                                                                                                                                                                                                                                             |                                                                                                                                                                   |

|                                                  |  |                   |  |                              |  |                        |  |                         |  |
|--------------------------------------------------|--|-------------------|--|------------------------------|--|------------------------|--|-------------------------|--|
| 212C-MD-02119                                    |  | <b>TETRA TECH</b> |  | <b>LOG OF TEST PIT T-4</b>   |  |                        |  | Page<br>1 of 1          |  |
| Project Name: MCA 2-C Header Release Test Pits   |  |                   |  |                              |  |                        |  |                         |  |
| Test Pit Location: GPS: 32.802732°, -103.769844° |  |                   |  | Surface Elevation: 3952 ft   |  |                        |  |                         |  |
| Test Pit Number: T-4                             |  |                   |  | Hand Auger Diameter (in.): 2 |  | Date Started: 3/3/2020 |  | Date Finished: 3/3/2020 |  |

| 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 Exc. <input checked="" type="checkbox"/> DRY ft Upon Completion of Exc. <input checked="" type="checkbox"/> DRY ft |         |   |                                |
| Remarks:             |                |        |                                |                           |                     |                      |                   |              |                  |                   |             | DEPTH (ft)                                                                                                               | REMARKS |   |                                |
| MATERIAL DESCRIPTION |                |        |                                |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                          |         |   |                                |
| 5                    |                |        | 2500                           | 547                       |                     |                      |                   |              |                  |                   |             | <b>-CL- SANDY CLAY;</b> Reddish brown, medium stiff to stiff, with moderate odor, with no staining.                      |         | 4 | T-5 (1'-2')<br>T-4 (2'-4')     |
|                      |                |        | 4750                           | 3.7                       |                     |                      |                   |              |                  |                   |             |                                                                                                                          |         |   |                                |
|                      |                |        | 6600                           | 1.3                       |                     |                      |                   |              |                  |                   |             | <b>-ML- SILT;</b> Pink, dense, caliche, with no odor, with no staining.                                                  |         | 9 | T-4 (4'-6')<br><br>T-4 (8'-9') |
|                      |                |        | 5500                           |                           |                     |                      |                   |              |                  |                   |             |                                                                                                                          |         |   |                                |

Bottom of borehole at 9.0 feet.

|                                                                              |                                           |                                                                              |                                                        |                                                                                                                                                                   |
|------------------------------------------------------------------------------|-------------------------------------------|------------------------------------------------------------------------------|--------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Sampler Types:</b><br>Split Spoon<br>Shelby<br>Bulk Sample<br>Grab Sample | Acetate Liner<br>Vane Shear<br>California | <b>Operation Types:</b><br>Mud Rotary<br>Continuous Flight Auger<br>Test Pit | 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.<br>Soil samples were collected via hand auger. |
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Logger: Adrian Garcia

Exc. Equipment: Mini-Excavator

Contractor: McNabb Services, Inc.

*Released to Imaging: 1/26/2022 11:58:50 AM*



|                                                  |  |                   |  |                              |  |                        |  |                         |  |
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| 212C-MD-02119                                    |  | <b>TETRA TECH</b> |  | <b>LOG OF TEST PIT T-10</b>  |  |                        |  | Page<br>1 of 1          |  |
| Project Name: MCA 2-C Header Release Test Pits   |  |                   |  |                              |  |                        |  |                         |  |
| Test Pit Location: GPS: 32.803264°, -103.769977° |  |                   |  | Surface Elevation: 3956 ft   |  |                        |  |                         |  |
| Test Pit Number: T-10                            |  |                   |  | Hand Auger Diameter (in.): 2 |  | Date Started: 3/9/2020 |  | Date Finished: 3/9/2020 |  |

| 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 Exc.                                                                        | Upon Completion of Exc.                                                                |                                                                        |                |              |
|            |                |                                  |                                |                           |                     |                      |                   |              |                  |                   |             | While Exc. <u>▽</u> DRY ft    Upon Completion of Exc. <u>▽</u> DRY ft<br>Remarks: |                                                                                        |                                                                        |                |              |
|            |                |                                  |                                |                           |                     |                      |                   |              |                  |                   |             | MATERIAL DESCRIPTION                                                              | DEPTH (ft)                                                                             | REMARKS                                                                |                |              |
| 5          | Hand Auger     |                                  | 1750                           | 0.1                       |                     |                      |                   |              |                  |                   |             |                                                                                   | -SM- SILTY SAND; Red, loose, fine grained, with no odor, with no staining.             | 2.5                                                                    | T-10 (1'-2')   |              |
|            |                |                                  | 2280                           | 0.1                       |                     |                      |                   |              |                  |                   |             |                                                                                   | -CL- SANDY CLAY; Reddish brown, medium stiff to stiff, with no odor, with no staining. | 4.5                                                                    | T-10 (3'-4')   |              |
|            |                |                                  | 2500                           | 0.1                       |                     |                      |                   |              |                  |                   |             |                                                                                   |                                                                                        | -ML- SILT; Pink, dense, caliche, with no odor, with no staining.       |                | T-10 (5'-6') |
|            |                |                                  | 3500                           | 0.1                       |                     |                      |                   |              |                  |                   |             |                                                                                   |                                                                                        |                                                                        | T-10 (7'-8')   |              |
|            |                |                                  | 1200                           | 0.1                       |                     |                      |                   |              |                  |                   |             |                                                                                   |                                                                                        |                                                                        | T-10 (9'-10')  |              |
|            |                |                                  | 1200                           | 0.1                       |                     |                      |                   |              |                  |                   |             |                                                                                   |                                                                                        |                                                                        | T-10 (11'-12') |              |
| 10         | Hand Auger     |                                  | 1250                           | 0.1                       |                     |                      |                   |              |                  |                   |             |                                                                                   | -ML- SILT; Reddish pink, dense, caliche, with no odor, with no staining.               | 10.5                                                                   | T-10 (13'-14') |              |
|            |                |                                  | 400                            | 0.1                       |                     |                      |                   |              |                  |                   |             |                                                                                   |                                                                                        | -ML- SILT; Pink white, dense, caliche, with no odor, with no staining. | 14.5           | T-10 (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%;">  Split Spoon<br/>  Shelby<br/>  Bulk Sample<br/>  Grab Sample         </div> <div style="width: 50%;">  Acetate Liner<br/>  Vane Shear<br/>  California         </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/>  Test Pit         </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.<br>Soil samples were collected via hand auger. |
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|                       |                                |                                   |
|-----------------------|--------------------------------|-----------------------------------|
| Logger: Adrian Garcia | Exc. Equipment: Mini-Excavator | Contractor: McNabb Services, Inc. |
|-----------------------|--------------------------------|-----------------------------------|

|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |                |                   |                                |                              |                     |                        |                   |                         |                  |                   |             |                                                                                                                          |         |  |
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| 212C-MD-02119                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |                | <b>TETRA TECH</b> |                                | <b>LOG OF TEST PIT T-11</b>  |                     |                        |                   | Page<br>1 of 1          |                  |                   |             |                                                                                                                          |         |  |
| Project Name: MCA 2-C Header Release Test Pits                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |                |                   |                                |                              |                     |                        |                   |                         |                  |                   |             |                                                                                                                          |         |  |
| Test Pit Location: GPS: 32.803023°, -103.769923°                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                |                   |                                | Surface Elevation: 3954 ft   |                     |                        |                   |                         |                  |                   |             |                                                                                                                          |         |  |
| Test Pit Number: T-11                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                |                   |                                | Hand Auger Diameter (in.): 2 |                     | Date Started: 3/9/2020 |                   | Date Finished: 3/9/2020 |                  |                   |             |                                                                                                                          |         |  |
| 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 Exc. <input checked="" type="checkbox"/> DRY ft Upon Completion of Exc. <input checked="" type="checkbox"/> DRY ft |         |  |
| Remarks:                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                |                   |                                |                              |                     |                        |                   |                         |                  |                   |             |                                                                                                                          |         |  |
| MATERIAL DESCRIPTION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                |                   |                                |                              |                     |                        |                   |                         |                  |                   |             | DEPTH (ft)                                                                                                               | REMARKS |  |
| <div style="display: flex; justify-content: space-between;"> <div style="width: 40%;"> <p><b>-SM-</b> SILTY SAND; Red, loose, fine grained, with no odor, with no staining.</p> <p><b>-CL-</b> SANDY CLAY; Reddish brown, medium stiff to stiff, with no odor, with no staining.</p> <p><b>-ML-</b> SILT; Pink, dense, caliche, with no odor, with no staining.</p> <p><b>-ML-</b> SILT; Light pink white, loose, caliche, with no odor, with no staining.</p> </div> <div style="width: 55%; text-align: right;"> <p>T-11 (1'-2')</p> <p>T-11 (3'-4')</p> <p>T-11 (5'-6')</p> <p>T-11 (7'-8')</p> <p>T-11 (9'-10')</p> <p>T-11 (14'-15')</p> </div> </div> |                |                   |                                |                              |                     |                        |                   |                         |                  |                   |             |                                                                                                                          |         |  |

Bottom of borehole at 15.0 feet.

|                                                                                                                                                                                                                              |                                                                                                                                                       |                                                                                                                                                                                                                                            |                                                                                                                                                      |                                                                                                                                                                   |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <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 | <b>Operation Types:</b><br><input checked="" type="checkbox"/> Hand Auger<br><input checked="" type="checkbox"/> Mud Rotary<br><input checked="" type="checkbox"/> Continuous Flight Auger<br><input checked="" type="checkbox"/> Test Pit | <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.<br>Surface elevation is an estimated value.<br>Soil samples were collected via hand auger. |
| <b>Logger:</b> Adrian Garcia                                                                                                                                                                                                 |                                                                                                                                                       | <b>Exc. Equipment:</b> Mini-Excavator                                                                                                                                                                                                      |                                                                                                                                                      | <b>Contractor:</b> McNabb Services, Inc.                                                                                                                          |

**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 11255

CONDITIONS

|                                                                                    |                                                           |
|------------------------------------------------------------------------------------|-----------------------------------------------------------|
| Operator:<br>CONOCOPHILLIPS COMPANY<br>600 W. Illinois Avenue<br>Midland, TX 79701 | OGRID:<br>217817                                          |
|                                                                                    | Action Number:<br>11255                                   |
|                                                                                    | Action Type:<br>[C-141] Release Corrective Action (C-141) |

CONDITIONS

| Created By | Condition                                                | Condition Date |
|------------|----------------------------------------------------------|----------------|
| jnobui     | Deferral request for proposed remediation plan approved. | 1/26/2022      |