SITE INFORMATION

| | F | Report Type: | Work Plan | 1RP- | 5238 | | | | | |
|-------------------------------------|---------------------|---------------------------------|--|------|-------------------------------------|-------------------------------|--|--|--|--|
| General Site Info | ormation: | | | | | | | | | |
| Site: | | Wilder 28 Federal #1H Release | | | | | | | | |
| Company: | | | ConocoPhillips | | | | | | | |
| Section, Towns | hip and Range | | Unit Letter A Sec. 28 T 26S R 32E | | | | | | | |
| Lease Number: | | Associated API No. 30-025-40261 | | | | | | | | |
| County: | | Lea | Lea | | | | | | | |
| GPS: | | | 32.019299° | | | -103.674393° | | | | |
| Surface Owner: | | Federal (BLM | | | | | | | | |
| Mineral Owner: | | N/A | ()) () () () () () () () () () () () () | , | NIN (400 (| | | | | |
| Directions: | | | () | | | r 30 miles. Turn left onto Or | | | | |
| | | Arrive at location | | | Sattle Axe R | d. Head east for 1.7 miles. | | | | |
| | | Arrive at location | n on the right. | | | | | | | |
| | | 1 | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| Release Data: | | | | 1 | | | | | | |
| Date Released: | | 10/10/2018 | | | | | | | | |
| Type Release: | . ,. | Produced Wate | | | | | | | | |
| Source of Contar | mination: | Illegal dumping | | | | | | | | |
| Fluid Released: Fluids Recovered | 4. | 12.67 bbl 0 bbl | | | | | | | | |
| riulus Recovered | 1. | | | | | | | | | |
| | | | | | | | | | | |
| Official Commu | | | | | 1 | | | | | |
| Name: | Marvin Soriwei | | | | Christian M. | . Llull | | | | |
| Company: | Conoco Phillips - R | RMR | | | Tetra Tech | | | | | |
| Address: | 935 N. Eldridge Pk | wy. | | | 8911 North Capital of Texas Highway | | | | | |
| | 832-486-2730 | | | | Building 2, S | Suite 2310 | | | | |
| City: | Houston, Texas 77 | 079 | | | Austin, Texa | | | | | |
| Phone number: | (832) 486-2730 | | | | (512) 338-2861 | | | | | |
| Fax: | | | | | | | | | | |
| Email: | Marvin.Soriwei@co | onocophillips.com | | | christian.llu | ull@tetratech.com | | | | |
| | | | • | | 1 | | | | | |

| Site Characterization | |
|--|--------------------|
| Shallowest Depth to Groundwater: | 239' below surface |
| Impact to groundwater or surface water: | No |
| Extents within 300 feet of a watercourse: | No |
| Extents within 200 feet of lakebed, sinkhole, or playa lake: | No |
| Extents within 300 feet of an occupied structure: | No |
| Extents within 500 horizontal feet of a private water well: | No |
| Extents within 1000 feet of any water well or spring: | No |
| Extents within incorporated municipal well field: | No |
| Extents within 300 feet of a wetland: | No |
| Extents overlying a subsurface mine: | No |
| Karst Potential: | High |
| Extents within a 100-year floodplain: | No |
| Impact to areas not on a production site: | No |

| Recommended Remedial Action Levels (RRALs) | | | | | | | | | |
|--|------------|---------------|-------------------|-----------|--|--|--|--|--|
| Benzene | Total BTEX | TPH (GRO+DRO) | TPH (GRO+DRO+MRO) | Chlorides | | | | | |
| 10 mg/kg | 50 mg/kg | | 100 mg/kg | 600 mg/kg | | | | | |
| | | | | | | | | | |



April 6, 2020

Rick Rickman District Supervisor Oil Conservation Division, District 1 1625 N. French Dr. Hobbs, NM 88240

Re: Release Characterization Work Plan ConocoPhillips Wilder 28 Federal #1H Release Unit Letter A, Section 28, Township 26 South, Range 32 East Lea County, New Mexico 1RP-5238 Incident ID NOY1828949839

Dear Mr. Rickman:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips to assess a release that occurred on the Wilder 28 Federal #1H well pad (API No. 30-025-40261), Unit Letter A, Section 28, Township 26 South, Range 32 East, in Lea County, New Mexico (Site). The release coordinates are 32.019299°, -103.674393°. The Site is located near the Lea/Eddy County line and the Texas state border, as shown on Figures 1 and 2.

BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the release was discovered on October 10, 2018. As documented on the C-141 form, a truck illegally dumped contents of load on the ConocoPhillips Wilder 28 Federal Well #1 pad location. Upon arrival to site, the crew working in the area identified the release and discovered a depression in the ground with tire tracks that was consistent with the dump valve on a water hauler. The tire tread observed did not match any of the trucks located on site. The release was calculated at 12.67 barrels of produced water. Based on observations made on the ground and corroborated by drone aerial photographs taken by COP shortly following the release, the release extent was limited to the caliche pad (Figure 3). The New Mexico Oil Conservation District (NMOCD) was notified of the release in a voicemail on October 11, 2018, received the initial C-141 on October 16, 2018, and subsequently assigned the Site the Remediation Permit (RP) number 1RP-5238. The Incident ID for this release is NOY1828949839.

SITE CHARACTERIZATION

A site characterization was performed and no watercourses, lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, springs, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. However, the site is in an area with high karst potential.

There are no water wells listed in Section 28, Township 26 South, Range 32 East on the New Mexico Office of the State Engineer (NMOSE) database. The average depth to groundwater in Township 26 South, Range 32 East is 239 ft below ground surface (bgs). Site characterization data are included as Appendix B.

Release Characterization Work Plan April 6, 2020

ConocoPhillips

REGULATORY FRAMEWORK

A risk-based evaluation was performed for the Site in accordance with the NMOCD to determine recommended remedial action levels (RRALs) for benzene, toluene, ethylbenzene, and xylene (collectively referred to as BTEX), total petroleum hydrocarbons (TPH), and chlorides in soil. Based on the high potential for karst at the Site, the RRALs for the Site are as follows:

| CONSTITUENT | RRAL |
|-------------------------|-----------|
| Chloride (0 – 4 ft bgs) | 600 mg/kg |
| TPH (GRO+DRO+MRO) | 100 mg/kg |
| BTEX | 50 mg/kg |
| Benzene | 10 mg/kg |

SITE ASSESSMENT

Tetra Tech, Inc. (Tetra Tech) initially visited the Site on July 19, 2019 to visually observe the release extent, assess the impacted area, and conduct field screenings of the surface soil to distinguish the release extent. Several areas within the release footprint were screened for chlorides using an ExStik EC400 meter. Screening results exceeded 10,000 ppm at all five soil screening locations. The initial observed release extent and screening locations are shown on Figure 3.

On February 4 and February 7, 2020, Tetra Tech conducted soil sampling in order to achieve vertical and horizontal delineation of the release. A total of nine borings were installed using an air rotary drilling rig. Boring locations were chosen based on the soil screening results from the Site visit, as shown in Figure 3. A total of 38 soil samples were collected from the nine borings and submitted to Pace Analytical National Center for Testing & Innovation in Nashville, Tennessee (Pace) 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 C.

SUMMARY OF SAMPLING RESULTS

The results of the February 2020 sampling event are summarized in Table 1. The boring locations are shown on Figure 3. Soil screening results from seven of the nine borings indicated chloride concentrations above RRAL of 600 mg/kg for chloride in the upper 0-5 ft bgs. However, the only analytical result above the RRAL for chloride was associated with sample location BH-1 at 0-1 ft bgs. All other chloride analytical results were below the RRAL. Analytical results associated with all the collected samples were below the established RRALs for BTEX and TPH (Table 1).

REMEDIATION WORK PLAN

Based on the visual assessment and soil screening and analytical results, ConocoPhillips proposes to remove impacted material to 1 ft bgs, as shown in Figure 4. Impacted soils will be excavated until a representative sample from the walls and bottom of the excavation is below the RRAL Excavations are proposed to be performed using heavy equipment (backhoes, hoe rams, and track hoes) to a maximum depth of 1 feet below surface within the release area. Excavated soils will be transported offsite and disposed of in an NMOCD approved or permitted facility. Confirmation floor and sidewall samples will be collected for verification of remedial activities, and analyzed for TPH, BTEX and chloride. Once the sample results are received, NMOCD will be notified and the excavation will then be backfilled with clean material to surface grade. The estimated volume of material to be excavated is 600 cubic yards.

Release Characterization Work Plan April 6, 2020

ALTERNATIVE CONFIRMATION SAMPLING PLAN

In accordance with 19.15.29.12(D)(1)(b) NMAC, ConocoPhillips proposes the following alternative confirmation sampling plan to adhere with NMOCD requirements. The confirmation sampling grid is designed such that each discrete sample (sidewall and floor) will be representative of no more than 500 square ft of excavated area (Figure 4). Based on the proposed excavation extents, the confirmation sampling plan consists of thirty-two (32) floor samples and twenty-nine (29) sidewall samples.

CONCLUSION

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

Sincerely, Tetra Tech, Inc.

Christian M. Llull, P.G. Project Manager

Greg W. Pope, P.G. Program Manager

CC:

Mr. Marvin Soriwei, RMR – ConocoPhillips

Mr. Charles Beauvais, GPBU - ConocoPhillips

ConocoPhillips

Release Characterization Work Plan April 6, 2020

LIST OF ATTACHMENTS

Figures:

Figure 1 – Overview Map

Figure 2 – Site Location/Topographic Map

Figure 3 – Release Assessment Map

Figure 4 – Proposed Excavation and Confirmation Sampling Plan

Tables:

Table 1 – Summary of Analytical Results – Soil Assessment

Appendices:

Appendix A – C-141 Form

Appendix B – Site Characterization Data

Appendix C – Laboratory Analytical Data

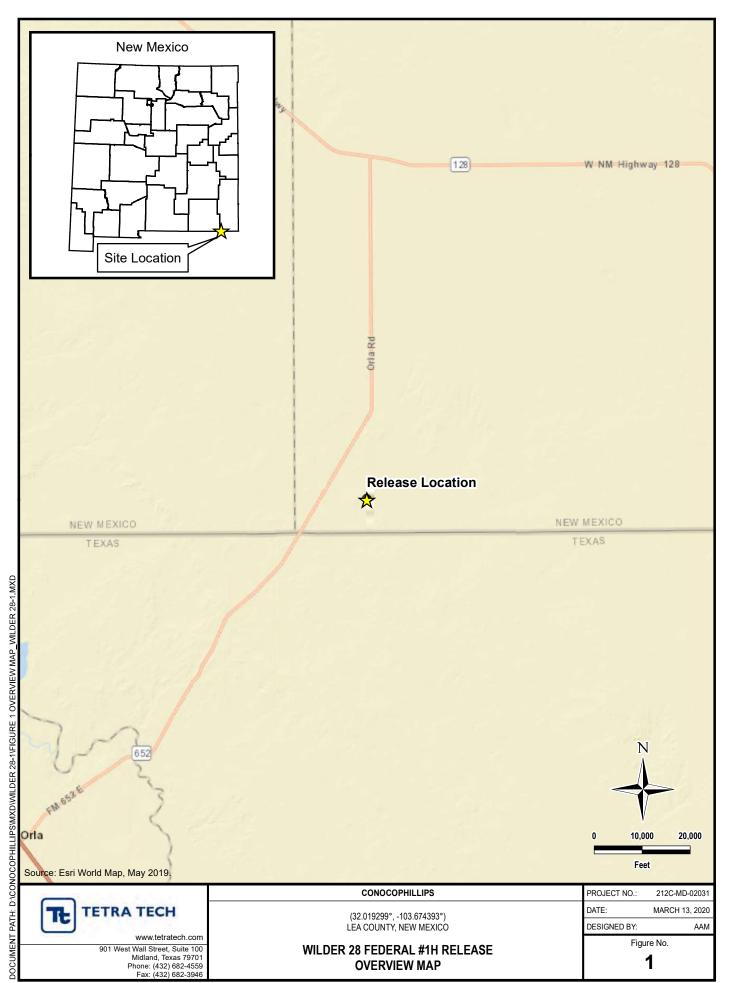
Appendix D – Boring Logs

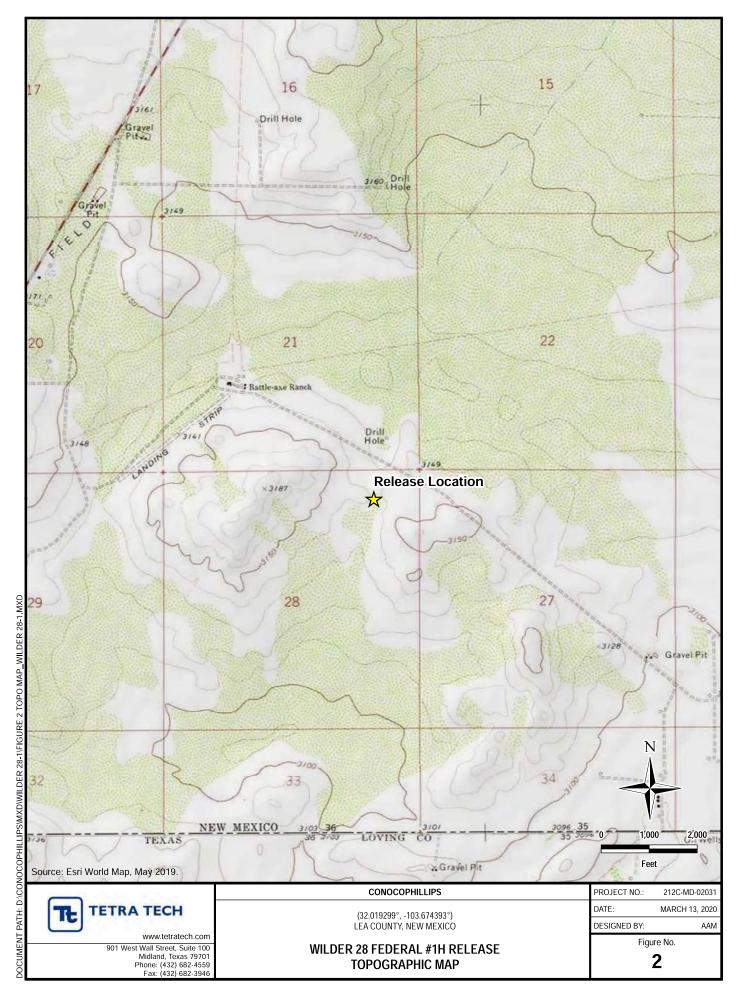
Page 5 of 109

ConocoPhillips

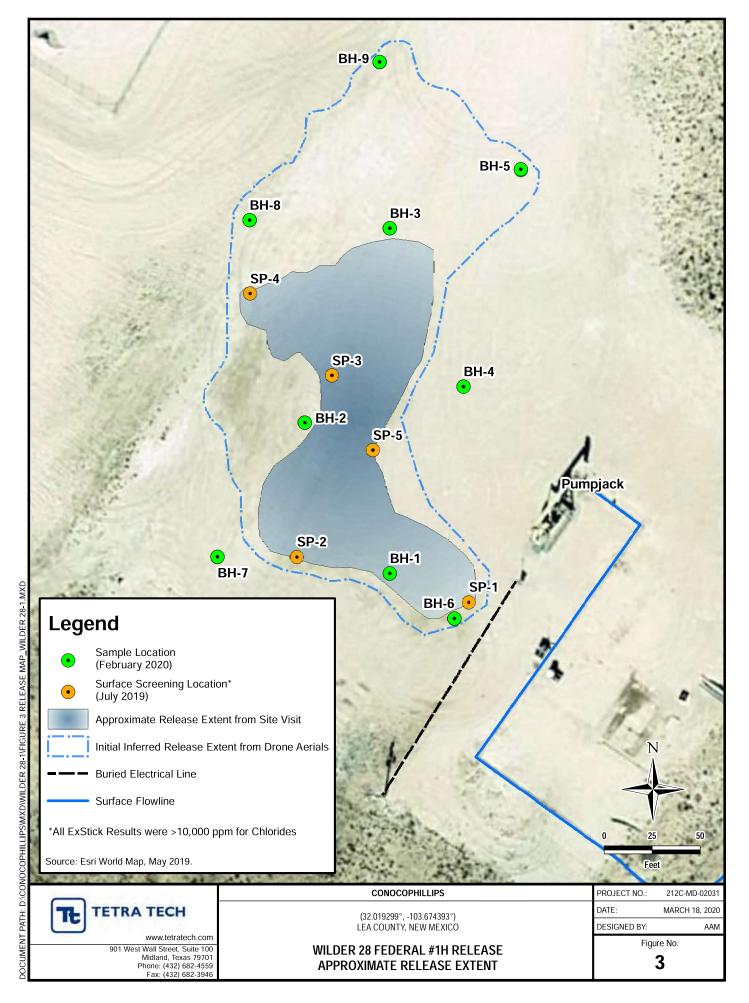
.

FIGURES

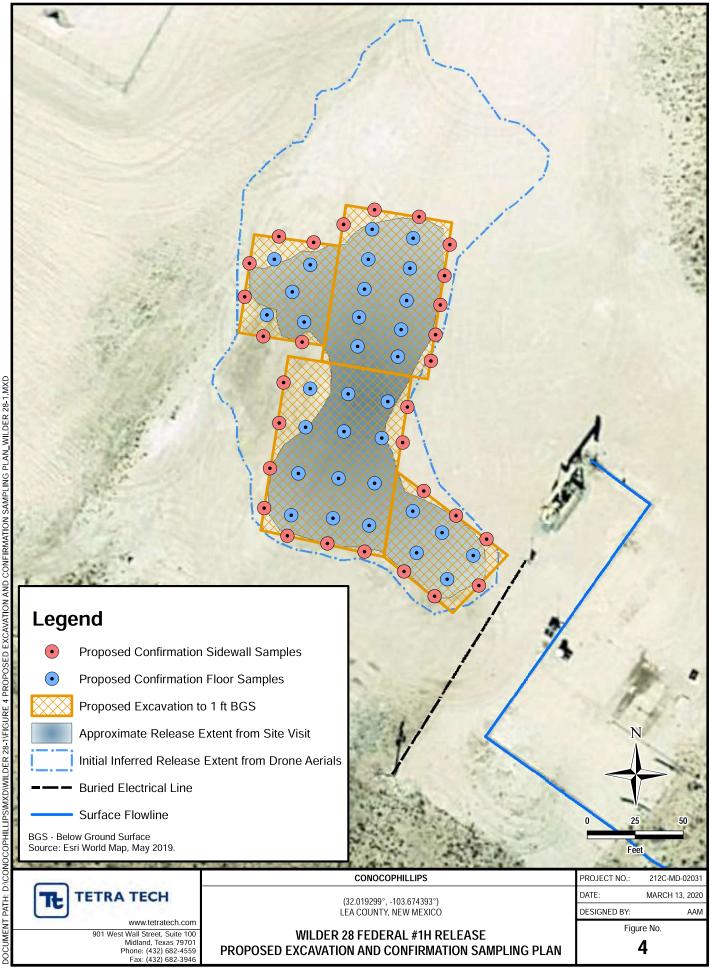




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Received by OCD: 4/6/2020 12:21:17 PM



TABLES

Received by OCD: 4/6/2020 12:21:17 PM

TABLE 1 SUMMARY OF ANALYTICAL RESULTS SOIL ASSESSMENT - 1RP-5238 CONOCOPHILLIPS WILDER 28 Federal #1H RELEASE LEA COUNTY, NM

| | | | | | | | | | | | BTEX ² | | | | | | | | TP | H3 | | |
|---------------|-------------|-----------------|--|------|--------------------|-----------|------------------------|-----------------|-------------------|--------------|-------------------|---------------|-------------------|------------|----------|---------|------------|----------------|-----------|--------------|----------|--------|
| | | Sample Interval | Field Screening Results Chloride ¹ | | oride ¹ | | | | | | GRO ⁴ | | DRO | DRO ORO | | ТРН | | | | | | |
| Sample ID | Sample Date | | Chloride | PID | | | Benzene | Benzene Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | C1- C10 | | C10- C28 | | C28 - C40 | | C3-C40 | |
| | | ft bgs | pp | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg |
| | | 0-1 | 609 | 0.9 | 816 | _ | 0.000486 | 1 | 0.00425 | 1 | 0.00182 | 1 | 0.0123 | ~ | 0.0189 | 0.0311 | BJ | < 4.86 | ~ | 0.892 | BJ | 0.923 |
| | | 2-3 | 472 | 1.1 | 359 | | < 0.00106 | | 0.00158 | J | 0.000713 | J | < 0.00686 | | 0.00229 | 0.0430 | ВJ | 1.97 | 1 | 5.66 | в | 7.67 |
| BH-1 | 02/04/20 | 4-5 | 201 | 1.2 | 78.4 | | < 0.00109 | | 0.00178 | J | < 0.00273 | | < 0.00711 | | 0.00178 | 0.0453 | ВJ | 1.95 | 1 | 4.33 | ВJ | 6.33 |
| | | 6-7 | 1150 | 0.2 | 366 | | < 0.00115 | | 0.00226 | J | < 0.00287 | | < 0.00746 | | 0.00226 | 0.0454 | ВJ | 1.95 | 1 | 3.47 | ВJ | 5.47 |
| | | 9-10 | | 0.1 | 414 | | < 0.00106 | | 0.00159 | J | < 0.00265 | | < 0.00689 | | 0.00159 | 0.0374 | ВJ | < 4.24 | | 2.35 | ВJ | 2.39 |
| | | | | | | - | | - | | | | - | | - | | | _ | | - | | | |
| | | 0-1 | 951 508 | 0.2 | 63.4 | | < 0.00124 | | 0.00217 | 1 | < 0.00309 | _ | < 0.00804 | - | 0.00217 | 0.0479 | ΒJ | < 4.95 | | 1.70 | B J B | 1.75 |
| BH-2 | 02/04/20 | | 390 | 1.8 | 32.7 | В | 0.000618 | 1 | < 0.00618 | | < 0.00309 | | < 0.00803 | - | 0.000618 | < 0.124 | | < 4.94 | | 6.66 | BJ | 6.66 |
| BH-2 | 02/04/20 | 4-5 6-7 | - 390 | 0.4 | 73.3 | | < 0.00117 < 0.00103 | _ | 0.00167 | 1 | < 0.00292 | - | < 0.00759 | - | 0.00167 | 0.0513 | B J B J | < 4.67 | - | 1.38 | BJ | 1.43 |
| | | 9-10 | | 0.9 | 60.9 HOLD | | | _ | | 1 | | - | < 0.00669 HOLD | - | 0.00132 | | R1 | < 4.12 HOLD | - | 1.07 HOLD | Rl | 1.11 |
| | | 9-10 | | 1.1 | HOLD | | HOLD | | HOLD | | HOLD | | HOLD | | | HOLD | | HOLD | | HOLD | | - |
| | | 0-1 | 694 | 0.9 | 299 | | < 0.00107 | | < 0.00533 | | < 0.00266 | | < 0.00693 | | - | 0.0409 | ΒJ | < 4.26 | | 7.61 | В | 7.65 |
| | | 2-3 | 252 | 0.8 | 65.6 | | < 0.00116 | | 0.00163 | J | < 0.00290 | | < 0.00755 | | 0.00163 | 0.0477 | ΒJ | < 4.64 | | 4.82 | В | 4.87 |
| BH-3 | 02/04/20 | 4-5 | 1130 | 1.3 | 215 | | < 0.00119 | | 0.00148 | J | < 0.00296 | | < 0.00771 | | 0.00148 | 0.0435 | ΒJ | < 4.74 | | 5.84 | В | 5.88 |
| | | 6-7 | | 0.1 | 327 | | < 0.00110 | | < 0.00551 | | < 0.00275 | | < 0.00716 | | - | 0.0420 | ΒJ | < 4.41 | | 0.601 | ΒJ | 0.643 |
| | | 9-10 | | 0.0 | HOLD | | HOLD | | HOLD | | HOLD | | HOLD | | - | HOLD | | HOLD | | HOLD | | - |
| | | 0-1 | 879 | 0.2 | 54.8 | 1 | < 0.00107 | _ | < 0.00533 | 1 | < 0.00266 | - | < 0.00693 | | | 0.0386 | BJ | < 4.26 | - | 3.44 | ВJ | 3.48 |
| | | 2-3 | 501 | 0.1 | 76.3 | | < 0.00122 | - | < 0.00608 | - | < 0.00200 | - | < 0.00790 | | | 0.0463 | BJ | < 4.86 | + | < 4.86 | | 0.0463 |
| BH-4 | 02/04/20 | 4-5 | 291 | 0.6 | 20.8 | в | < 0.00105 | - | 0.00223 | | 0.000943 | | < 0.00681 | | 0.00317 | 0.0423 | BI | 7.65 | - | 17.0 | B | 24.7 |
| | | 6-7 | | 1.2 | 9.20 | BJ | < 0.00104 | - | 0.00174 | 1 i | < 0.00259 | | < 0.00675 | | 0.00174 | 0.0422 | BJ | < 4.15 | - | 1.02 | BJ | 1.06 |
| | | 9-10 | | 0.3 | HOLD | | HOLD | - | HOLD | | HOLD | - | HOLD | | - | HOLD | | HOLD | - | HOLD | | |
| | | | | | | - | | | | _ | | | | | | | _ | | - | | | |
| | | 0-1 | 209 | 2.0 | 38.1 | | < 0.00126 | | < 0.00629 | | < 0.00314 | | < 0.00818 | | - | 0.0491 | ВJ | < 5.03 | | 0.648 | ВJ | 0.697 |
| | | 2-3 | 198 | 1.1 | 50.9 | | < 0.00108 | | < 0.00542 | | < 0.00271 | | < 0.00705 | | - | 0.0421 | ВJ | < 4.34 | | 2.23 | ВJ | 2.27 |
| BH-5 | 02/04/20 | 4-5 | • | 0.8 | 562 | | < 0.00111 | | < 0.00555 | | < 0.00278 | | < 0.00722 | | - | 0.0435 | ΒJ | < 4.44 | | 2.07 | ВJ | 2.11 |
| | | 6-7 | - | 0.3 | 499 | | 0.000556 | 1 | < 0.00529 | | < 0.00265 | | < 0.00688 | | 0.000556 | < 0.106 | | < 4.23 | | 1.27 | 1 | 1.27 |
| | | 9-10 | • | 0.1 | HOLD | | HOLD | | HOLD | | HOLD | | HOLD | | - | HOLD | | HOLD | | HOLD | | - |
| | 1 | 0-1 | 698 | 1.5 | 121 | | < 0.00121 | | < 0.00606 | | < 0.00303 | | < 0.00787 | | - | < 0.121 | | 2.82 | 1 | 10.4 | | 13.2 |
| | | 2-3 | 453 | 1.1 | 60.8 | | < 0.00109 | | < 0.00545 | | < 0.00272 | | < 0.00708 | | - | < 0.109 | | < 4.36 | | 3.61 | J | 3.61 |
| BH-6 | 02/07/20 | 4-5 | - | 0.9 | 50.4 | | < 0.00108 | | < 0.00541 | | < 0.00271 | | < 0.00704 | | - | < 0.108 | | < 4.33 | | 0.444 | J | 0.444 |
| | | 6-7 | 225 | 0.3 | 44.3 | | < 0.00110 | | < 0.00548 | | < 0.00274 | | < 0.00712 | | - | < 0.110 | | < 4.38 | | < 4.38 | | - |
| | | 9-10 | 208 | 0.5 | 31.8 | | < 0.00107 | | < 0.00534 | | < 0.00267 | | < 0.00695 | | - | < 0.107 | | < 4.28 | | < 4.28 | | - |
| | | 0.1 | 155 | 0.0 | E 10 | | < 0.00102 | | < 0.00E1C | | < 0.00352 | _ | < 0.00670 | - | | < 0.102 | | 2.07 | | 6.42 | | 8.40 |
| | | 0-1 2-3 | - 155 | 0.9 | 5.19 21.1 | B J B | < 0.00103 | - | < 0.00516 | - | < 0.00258 | - | < 0.00670 | - | | < 0.103 | - | 2.07 | 1, | 6.42 3.51 | | 8.49 |
| BH-7 | 02/07/20 | 4-5 | 1080 | 0.5 | 21.1 | P | < 0.00120 | - | < 0.00546 | + | < 0.00301 | + | < 0.00782 | + | | < 0.120 | - | < 4.81 | + | 0.360 | L' | 0.360 |
| | 01,07/20 | 6-7 | - 1080 | 0.9 | 487 | | < 0.00109 | | < 0.00542 | - | < 0.00273 | | < 0.00710 | | | < 0.109 | | < 4.37 | + | < 4.34 | <u> </u> | - |
| | | 9-10 | 472 | 1.1 | HOLD | | HOLD | - | < 0.00342 HOLD | + | HOLD | - | HOLD | 1 | - | HOLD | - | HOLD | + | HOLD | | |
| | 1 | | | | | | | | | _ | | _ | | _ | | | | | | | | |
| | | 0-1 | 733 | 1.9 | 41.8 | | < 0.00125 | | < 0.00625 | | < 0.00312 | | < 0.00812 | | - | < 0.125 | | < 5.00 | | 2.65 | 1 | 2.65 |
| | | 2-3 | 293 | 0.8 | 22.1 | В | < 0.00108 | | < 0.00542 | | < 0.00271 | | < 0.00704 | | - | < 0.108 | | < 4.34 | | 1.71 | ВJ | 1.71 |
| BH-8 02/07/20 | 4-5 | | 0.5 | 22.3 | В | < 0.00112 | | < 0.00558 | - | < 0.00279 | | < 0.00725 | | - | < 0.112 | | < 4.46 | - | 1.80 | ВJ | 1.80 | |
| | 6-7 | 350 | 0.4 | 28.6 | В | < 0.00109 | | < 0.00546 | 1 | < 0.00273 | | < 0.00710 | L_ | - | < 0.109 | | < 4.37 | - | 0.939 | ВJ | 0.939 | |
| | L | 9-10 | • | 0.1 | HOLD | L | HOLD | | HOLD | 1 | HOLD | 1 | HOLD | 1 | | HOLD | 1 | HOLD | | HOLD | | |
| | 1 | 0-1 | 481 | 0.2 | 10.1 | ВJ | < 0.00104 | | < 0.00519 | 1 | < 0.00259 | | < 0.00674 | 1 | - | < 0.104 | | 2.54 | L | 12.7 | | 15.2 |
| | | 2-3 | 290 | 0.1 | 5.67 | BJ | < 0.00113 | | < 0.00566 | 1 | < 0.00283 | 1 | < 0.00735 | 1 | - | < 0.113 | | 2.30 | 1 | 9.65 | Н | 12.0 |
| BH-9 | 02/07/20 | 4-5 | | 0.0 | 124 | Ĺ | < 0.00125 | | < 0.00624 | 1 | < 0.00312 | 1 | < 0.00811 | 1 | - | < 0.125 | | < 4.99 | | 0.686 | ВJ | 0.686 |
| | | 6-7 | • | 0.9 | 187 | 1 | < 0.00122 | | < 0.00611 | 1 | < 0.00305 | 1 | < 0.00794 | | - | < 0.122 | | < 4.88 | | 1.27 | ВJ | 1.27 |
| | | 9-10 | | 0.5 | HOLD | | HOLD | | HOLD | 1 | HOLD | 1 | HOLD | 1 | - | HOLD | 1 | HOLD | | HOLD | | |
| | | | | | | | | | | | | | | | | | | | | | - | |

NCTES: ft Feet bgs Below ground surface ppm Parts per million mg/kg Milligrams per kilogram HOLD Hold on laboratory analysis THH Total Pertoleum Hydrocarbons GRO Gasoline range organics DRO Diesel range organics

Bold and Italicked values indicate exceedance of RRALS.
1 Method 3200
2 Method 32008
3 Method 305M
4 Method 305M
20JULITES.
9 The same analyte is found in the associated blank.
J The identification of the analyte is acceptable; the reported value is an estimate.

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APPENDIX A C-141 Forms

District I 1625 N. French Dr., Hobbs, NM 88240 District II 811 S. First St., Artesia, NM 88210 District III 1000 Rio Brazos Road, Aztec, NM 87410 District IV 1220 S. St. Francis Dr., Santa Fe, NM 87505 State of New Mexico Energy Minerals and Natural Resources Department

Oil Conservation Division 1220 South St. Francis Dr. Santa Fe, NM 87505 Form C-141 Revised August 24, 2018 Submit to appropriate OCD District office

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| NOY1828949839 | | | | | |
|---------------|--|--|--|--|--|
| 1RP-5238 | | | | | |
| | | | | | |
| pOY1828947976 | | | | | |
| | | | | | |

Release Notification

Responsible Party

| Responsible Party ConocoPhillips | OGRID 217817 | | | | |
|--|--|--|--|--|--|
| Contact Name Brandon Davis | Contact Telephone 281-687-2852 | | | | |
| Contact email Brandon.Davis@ConocoPhillips.com | Incident # (assigned by OCD) NOY1828949839 | | | | |
| Contact mailing address 15 W London Rd, Loving, NM | | | | | |

Location of Release Source

| | Longitude <u>-103.674506 W</u> grees to 5 decimal places) |
|------------------------------------|--|
| Site Name Wilder 28-1 | Site Type Well Pad |
| Date Release Discovered 10/10/2018 | API# (if applicable) 30-025-40261 |

| Unit Letter | Section | Township | Range | County | Federal minerals |
|-------------|---------|----------|-------|--------|------------------|
| Ā | 28 | 268 | 32E | Lea | |

Surface Owner: State X Federal Tribal Private (Name:____

Nature and Volume of Release

| Crude Oil | Volume Released (bbls) | Volume Recovered (bbls) |
|------------------|---|---|
| X Produced Water | Volume Released (bbls) 12.67 | Volume Recovered (bbls) |
| | Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l? | Yes No |
| Condensate | Volume Released (bbls) | Volume Recovered (bbls) |
| Natural Gas | Volume Released (Mcf) | Volume Recovered (Mcf) |
| Other (describe) | Volume/Weight Released (provide units) | Volume/Weight Recovered (provide units) |

Cause of Release

Truck illegal dumped contents of load on ConocoPhillips pad location. Upon arrival to site on 10/10/2018 the crew working in the area identified the spill and discovered a depression in the ground with tire tracks that are consistent with the dump valve on a water hauler. Tire tread of the tracks did not match any of the trucks located on site. The spill was calculated at 12.67 barrels of produced water.

| rm C-141 | State of New Mexico | Incident ID | Page 15 (NOY1828949839 |
|--|--|---|---|
| ge 2 | Oil Conservation Division | District RP | 1RP-5238 |
| ~ | | Facility ID | |
| | | Application ID | pOY1828947976 |
| | | | <u></u> |
| Was this a major release as defined by 19.15.29.7(A) NMAC? | If YES, for what reason(s) does the responsible | e party consider this a major releas | |
| 🗌 Yes 🖾 No | | | |
| | | | |
| | | When and hy what means (phone) | amail etc.)? |
| If YES, was immediate n Brandon Davis called Oli | otice given to the OCD? By whom? To whom? Vivia Yu and left a voicemail on 10/11/2018. | when and by what means (phone,) | sman, etc) / |
| Dialition Dayib conce of | | | |
| | | | |
| | Initial Resp | onse | |
| The responsible | party must undertake the following actions immediately unle | ess they could create a safety hazard that w | ould result in injury |
| | | | |
| X The source of the rel | ease has been stopped. | | |
| | as been secured to protect human health and the e | environment. | |
| | ave been contained via the use of berms or dikes | | nent devices. |
| — | | | |
| | ecoverable materials have been removed and ma | | |
| | | | |
| If all the actions describe | ed above have <u>not</u> been undertaken, explain why: | | |
| If all the actions describe | ed above have <u>not</u> been undertaken, explain why: | | |
| If all the actions describe | ed above have <u>not</u> been undertaken, explain why: | | |
| If all the actions describe | ed above have <u>not</u> been undertaken, explain why: | | |
| If all the actions describe | ed above have <u>not</u> been undertaken, explain why: | | |
| | | | |
| Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme | MAC the responsible party may commence reme a narrative of actions to date. If remedial effor ent area (see 19.15.29.11(A)(5)(a) NMAC), pleas | diation immediately after discover ts have been successfully comple e attach all information needed for | closure evaluation. |
| Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ failed to adequately investi | MAC the responsible party may commence reme a particle of actions to date. If remedial effor | diation immediately after discover ts have been successfully comple e attach all information needed for of my knowledge and understand that ions and perform corrective actions for loes not relieve the operator of liability groundwater, surface water, human he | ted or if the release occurred closure evaluation. pursuant to OCD rules and releases which may endanger y should their operations have ealth or the environment. In |
| Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ faile& to adequately investig addition, OCD acceptance of | MAC the responsible party may commence reme a narrative of actions to date. If remedial effor ent area (see 19.15.29.11(A)(5)(a) NMAC), pleas cormation given above is true and complete to the best e required to report and/or file certain release notificati ment. The acceptance of a C-141 report by the OCD of gate and remediate contamination that pose a threat to of a C-141 report does not relieve the operator of respon | diation immediately after discover ts have been successfully comple e attach all information needed for of my knowledge and understand that ions and perform corrective actions for loes not relieve the operator of liability groundwater, surface water, human he | ted or if the release occurred closure evaluation. pursuant to OCD rules and releases which may endanger y should their operations have ealth or the environment. In |
| Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ faile& to adequately investig addition, OCD acceptance of and/or regulations. | MAC the responsible party may commence reme a narrative of actions to date. If remedial effor ent area (see 19.15.29.11(A)(5)(a) NMAC), pleas cormation given above is true and complete to the best e required to report and/or file certain release notification ment. The acceptance of a C-141 report by the OCD of gate and remediate contamination that pose a threat to of a C-141 report does not relieve the operator of respondent Dayis T | diation immediately after discover ts have been successfully comple e attach all information needed for of my knowledge and understand that ions and perform corrective actions for loes not relieve the operator of liability groundwater, surface water, human he onsibility for compliance with any oth | ted or if the release occurred closure evaluation. pursuant to OCD rules and releases which may endanger y should their operations have ealth or the environment. In |
| Per 19.15.29.8 B. (4) NM has begun, please attach within a lined containme I hereby certify that the info regulations all operators are public health or the environ faile& to adequately investig addition, OCD acceptance of and/or regulations. Printed Name: <u>Brandon</u> | MAC the responsible party may commence reme a narrative of actions to date. If remedial effor ent area (see 19.15.29.11(A)(5)(a) NMAC), pleas ormation given above is true and complete to the best e required to report and/or file certain release notification ment. The acceptance of a C-141 report by the OCD of gate and remediate contamination that pose a threat to of a C-141 report does not relieve the operator of respondence Davis T | diation immediately after discover ts have been successfully comple e attach all information needed for of my knowledge and understand that ions and perform corrective actions for does not relieve the operator of liability groundwater, surface water, human he onsibility for compliance with any oth Fitle: <u>HSE Specialist</u> | ted or if the release occurred closure evaluation. pursuant to OCD rules and releases which may endanger y should their operations have ealth or the environment. In |

Received by: By Olivia Yu at 1:55 pm, Oct 16, 2018

Date: ____

Received by OCD: 4/6/2020 12:21:17 PM Form C-141 State of New Mexico

Oil Conservation Division

| Incident ID | NOY1828949839 |
|----------------|---------------|
| District RP | 1RP-5238 |
| Facility ID | |
| Application ID | pOY1828947976 |

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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? | 🗌 Yes 🖌 No |
| Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse? | 🗌 Yes 🖌 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)? | 🗌 Yes 🖌 No |
| Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church? | 🗌 Yes 🖌 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? | 🗌 Yes 🖌 No |
| Are the lateral extents of the release within 1000 feet of any other fresh water well or spring? | 🗌 Yes 🖌 No |
| Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field? | 🗌 Yes 🖌 No |
| Are the lateral extents of the release within 300 feet of a wetland? | 🗌 Yes 🖌 No |
| Are the lateral extents of the release overlying a subsurface mine? | 🗌 Yes 🖌 No |
| Are the lateral extents of the release overlying an unstable area such as karst geology? | 🖌 Yes 🗌 No |
| Are the lateral extents of the release within a 100-year floodplain? | 🗌 Yes 🖌 No |
| Did the release impact areas not on an exploration, development, production, or storage site? | 🗌 Yes 🖌 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
- **D**ata table of soil contaminant concentration data
- \checkmark Depth to water determination
- Determination of water sources and significant watercourses within ¹/₂-mile of the lateral extents of the release
- Soring 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.

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| Received by OCD: 4/6/20 | 20 12:21:17 PM State of New Mexico | | | Page 17 of 109 |
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| Form C-141 | | | Incident ID | NOY1828949839 |
| Page 4 | Oil Conservation Divisi | ion | District RP | 1RP-5238 |
| | | | Facility ID | |
| | | | Application ID | pOY1828947976 |
| regulations all operators a public health or the enviro failed to adequately invest addition, OCD acceptance and/or regulations. Printed Name: Marvin Signature: | | e notifications and perform c the OCD does not relieve the a threat to groundwater, surfa tor of responsibility for comp | orrective actions for rel e operator of liability shace water, human health liance with any other for nager, Risk Manage | eases which may endanger nould their operations have n or the environment. In |
| OCD Only Received by: Cristina E | ads | Date: 04/06/ | 2020 | |

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Oil Conservation Division

| Incident ID | NOY1828949839 |
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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)

| Defensed Dequests Only Each of the following items must be son | firmed as part of any request for defound of nomediation |
|--|--|
| <u>Deferral Requests Only</u> : Each of the following items must be con | firmea as part of any request for deferrat of remeatation. |
| Contamination must be in areas immediately under or around prodeconstruction. | oduction equipment where remediation could cause a major facility |
| 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 rules and regulations all operators are required to report and/or file c which may endanger public health or the environment. The acceptan liability should their operations have failed to adequately investigate surface water, human health or the environment. In addition, OCD a responsibility for compliance with any other federal, state, or local la | ertain release notifications and perform corrective actions for releases nee of a C-141 report by the OCD does not relieve the operator of and remediate contamination that pose a threat to groundwater, neceptance of a C-141 report does not relieve the operator of |
| Printed Name: Marvin Soriwei | Title: Program Manager, Risk Management & Remediation. |
| Signature: | Date: 4/6/2020 |
| email: marvin.soriwei@conocophillips.com | Telephone: 832-486-2730 |
| | |
| OCD Only | |
| Received by: Cristina Eads | Date: 04/06/2020 |
| Approved \square Approved with Attached Conditions of A | Approval Denied Deferral Approved |
| Signature: Mulander | Date: 05/08/2020 |

| Incident ID | NOY1828949839 |
|----------------|---------------|
| District RP | 1RP-5238 |
| Facility ID | |
| Application ID | pOY1828947976 |

Closure

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

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

 A scaled site and sampling diagram as described in 19.15.29.11 NMAC

 Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)

 Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)

 Description of remediation activities

| Printed Name: | Title: |
|----------------------|--|
| Signature: | Date: |
| email: | Telephone: |
| | |
| OCD Only | |
| | |
| Received by: | Date: |
| | of liability should their operations have failed to adequately investigate and water, human health, or the environment nor does not relieve the responsible for regulations. |
| Closure Approved by: | Date: |
| Printed Name: | Title: |

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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 | (R=POD ha been replac O=orphane C=the file is | ed, d, | arters a | are | 1=N' | W 2=N | IE 3=SV | V 4=SE) | | | | |
|---|--|-----------|---------------|-----|------|---------|---------|---------|------------------|--------|----------------|-----------------|
| water right file.) | closed) | (qua | arters | are | sma | lest to | largest |) (NAD8 | 3 UTM in meters) | | (In feet |) |
| | POD | | ~ ~ | | | | | | | | | |
| POD Number | Sub Code basi | | Q (v 64 1 | | | : Tws | Rng | х | Y | | Depth Water | Water Column |
| C 02271 | R CUE | | | | 21 | 26S | - | 624449 | 3544111* 🌍 | 150 | 125 | 25 |
| C 02271 POD2 | CUE | B LE | 32 | 3 | 21 | 26S | 32E | 624348 | 3544010* 🌍 | 270 | 250 | 20 |
| <u>C 02274</u> | CUE | B LE | 2 1 | 2 | 31 | 26S | 32E | 621742 | 3541730* 🌍 | 300 | 295 | 5 |
| <u>C 02323</u> | С | LE | 32 | 3 | 21 | 26S | 32E | 624348 | 3544010* 🌍 | 405 | 405 | 0 |
| C 03537 POD1 | CUE | B LE | 32 | 3 | 21 | 26S | 32E | 624250 | 3543985 🌍 | 850 | | |
| C 03595 POD1 | CUE | B LE | 42 | 3 | 21 | 26S | 32E | 624423 | 3544045 🌍 | 280 | 180 | 100 |
| C 03829 POD1 | CUE | B LE | 33 | 1 | 06 | 26S | 32E | 620628 | 3549186 🌍 | 646 | 350 | 296 |
| C 04209 POD1 | CUE | B LE | 23 | 3 | 06 | 26S | 32E | 620903 | 3548619 🌍 | 360 | 155 | 205 |
| C 04209 POD2 | С | LE | 23 | 3 | 06 | 26S | 32E | 620818 | 3548657 🌍 | 340 | 155 | 185 |
| | | | | | | | | | Average Depth to | Water: | 239 fe | eet |
| | | | | | | | | | Minimum | Depth: | 125 fe | eet |
| | | | | | | | | | Maximum | Depth: | 405 fe | eet |
| | | | | | | | | | | | | |

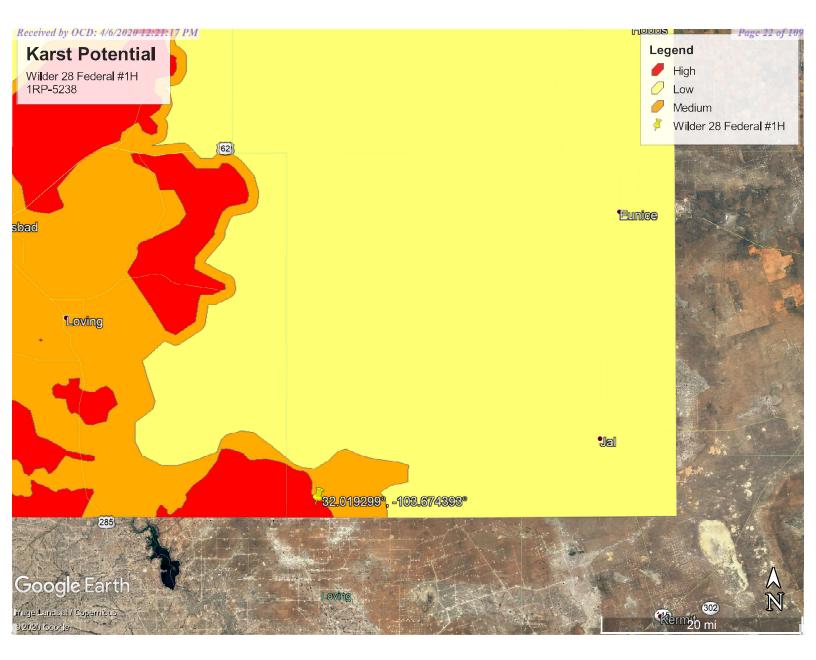
Record Count: 9

PLSS Search:

Township: 26S Range: 32E

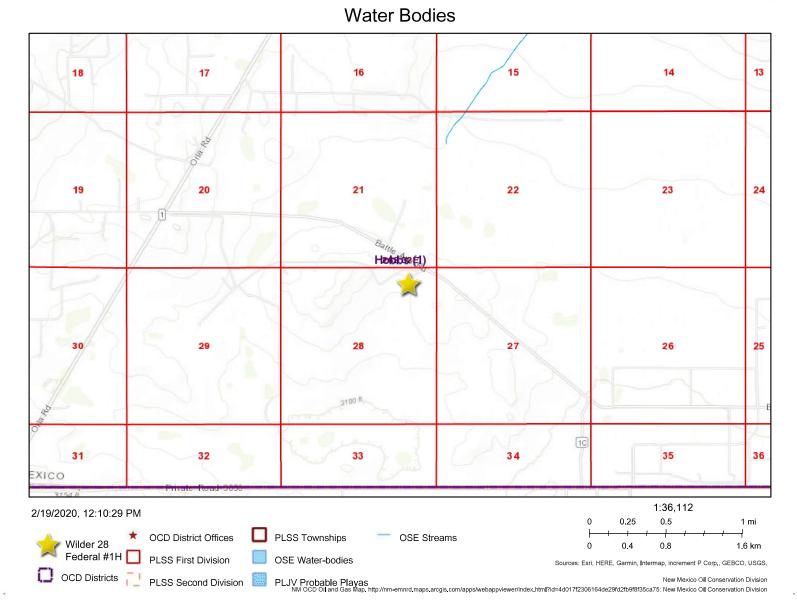
*UTM location was derived from PLSS - see Help

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



Received by OCD: 4/6/2020 12:21:17 PM





APPENDIX C Laboratory Analytical Data

Received by OCD: 4/6/2020 12:21:17 PM



ANALYTICAL REPORT

ConocoPhillips - Tetra Tech

Sample Delivery Group: Samples Received: Project Number:

Description:

Report To:

L1189076 02/13/2020 212C-MD-02031 COP Wilder 28-1 Dumping

Christian Llull 901 West Wall Suite 100 Midland, TX 79701

Ср Τс Ss Cn Sr Qc GI AI Sc

Entire Report Reviewed By:

chu, foph June

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-0068 More sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

ACCOUNT: ConocoPhillips - Tetra Tech **PROJECT**: 212C-MD-02031

SDG: L1189076 DATE/TIME: 02/24/20 17:09

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| Cree Creeser Donne | | | |
|--------------------------|----------|------|------------|
| Cp: Cover Page | | | 1 |
| Tc: Table of Contents | | | 2 |
| Ss: Sample Summary | | | 4 |
| Cn: Case Narrative | | | 12 |
| Sr: Sample Results | | | 13 |
| BH-1 (0-1') L1189076-01 | | | 13 |
| BH-1 (2-3') L1189076-02 | | | 14 |
| BH-1 (4-5') L1189076-03 | | | 15 |
| BH-1 (6-7') L1189076-04 | | | 16 |
| BH-1 (9-10') L1189076-05 | | | 17 |
| BH-2 (0-1') L1189076-06 | | | 18 |
| BH-2 (2-3') L1189076-07 | | | 19 |
| BH-2 (4-5') L1189076-08 | | | 20 |
| BH-2 (6-7') L1189076-09 | | | 21 |
| BH-3 (0-1') L1189076-10 | | | 22 |
| BH-3 (2-3') L1189076-11 | | | 23 |
| BH-3 (4-5') L1189076-12 | | | 24 |
| BH-3 (6-7') L1189076-13 | | | 25 |
| BH-4 (0-1') L1189076-14 | | | 26 |
| BH-4 (2-3') L1189076-15 | | | 27 |
| BH-4 (4-5') L1189076-16 | | | 28 |
| BH-4 (6-7') L1189076-17 | | | 29 |
| BH-5 (0-1') L1189076-18 | | | 30 |
| BH-5 (2-3') L1189076-19 | | | 31 |
| BH-5 (4-5') L1189076-20 | | | 32 |
| BH-5 (6-7') L1189076-21 | | | 33 |
| BH-6 (0-1') L1189076-22 | | | 34 |
| BH-6 (2-3') L1189076-23 | | | 35 |
| BH-6 (4-5') L1189076-24 | | | 36 |
| BH-6 (6-7') L1189076-25 | | | 37 |
| BH-6 (9-10') L1189076-26 | | | 38 |
| BH-7 (0-1') L1189076-27 | | | 39 |
| BH-7 (2-3') L1189076-28 | | | 40 |
| BH-7 (4-5') L1189076-29 | | | 41 |
| BH-7 (6-7') L1189076-30 | | | 42 |
| BH-8 (0-1') L1189076-31 | | | 43 |
| BH-8 (2-3') L1189076-32 | | | 44 |
| BH-8 (4-5') L1189076-33 | | | 45 |
| BH-8 (6-7') L1189076-34 | | | 46 |
| BH-9 (0-1') L1189076-35 | | | 47 |
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² Tc ³ Ss ⁴ Cn ⁵ Sr ⁶ Qc ⁷ GI ⁸ AI ⁹ Sc

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ConocoPhillips - Tetra Tech

| BH-9 (2-3') L1189076-36 | 48 |
|---|----|
| BH-9 (4-5') L1189076-37 | 49 |
| BH-9 (6-7') L1189076-38 | 50 |
| Qc: Quality Control Summary | 51 |
| Total Solids by Method 2540 G-2011 | 51 |
| Wet Chemistry by Method 300.0 | 56 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 58 |
| Volatile Organic Compounds (GC/MS) by Method 8260B | 62 |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 65 |
| GI: Glossary of Terms | 68 |
| Al: Accreditations & Locations | 69 |
| Sc: Sample Chain of Custody | 70 |
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| BH-1 (0-1') L1189076-01 Solid | | | Collected by | Collected date/time 02/04/20 12:00 | Received da 02/13/20 09: | |
|---|-----------|----------|--------------------------|---------------------------------------|--------------------------------------|----------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427899 | 1 | 02/14/20 22:50 | 02/14/20 22:57 | KBC | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 15:46 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1427939 | 1 | 02/13/20 22:59 | 02/14/20 18:36 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 11:22 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 19:20 | JDG | Mt. Juliet, TN |
| BH-1 (2-3') L1189076-02 Solid | | | Collected by | Collected date/time 02/04/20 12:05 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427899 | 1 | 02/14/20 22:50 | 02/14/20 22:57 | КВС | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 15:55 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 12:45 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 11:41 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 19:37 | JDG | Mt. Juliet, TN |
| BH-1 (4-5') L1189076-03 Solid | | | Collected by | Collected date/time 02/04/20 12:10 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| | | | date/time | date/time | | |
| Total Solids by Method 2540 G-2011 | WG1427899 | 1 | 02/14/20 22:50 | 02/14/20 22:57 | KBC | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 16:05 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 13:05 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 12:00 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 19:54 | JDG | Mt. Juliet, TN |
| BH-1 (6-7') L1189076-04 Solid | | | Collected by | Collected date/time 02/04/20 12:15 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427899 | 1 | 02/14/20 22:50 | 02/14/20 22:57 | KBC | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 16:24 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 13:26 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 12:19 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 20:08 | JDG | Mt. Juliet, TN |
| BH-1 (9-10') L1189076-05 Solid | | | Collected by | Collected date/time 02/04/20 12:20 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427899 | 1 | 02/14/20 22:50 | 02/14/20 22:57 | КВС | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 16:33 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 13:46 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 12:38 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 20:25 | JDG | Mt. Juliet, TN |

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| BH-2 (0-1') L1189076-06 Solid | | | Collected by | Collected date/time 02/04/20 12:30 | Received da 02/13/20 09: | |
|---|-----------|----------|--------------------------|---------------------------------------|-----------------------------|----------------|
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| | | | date/time | date/time | | |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 16:43 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 14:07 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 12:56 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 20:40 | JDG | Mt. Juliet, TN |
| BH-2 (2-3') L1189076-07 Solid | | | Collected by | Collected date/time 02/04/20 12:35 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 17:11 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1429393 | 1 | 02/13/20 22:59 | 02/18/20 11:49 | JAH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 13:15 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 21:29 | JDG | Mt. Juliet, TN |
| BH-2 (4-5') L1189076-08 Solid | | | Collected by | Collected date/time 02/04/20 12:40 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| | | | date/time | date/time | , | |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 17:21 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 14:48 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 13:34 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 21:46 | JDG | Mt. Juliet, TN |
| BH-2 (6-7') L1189076-09 Solid | | | Collected by | Collected date/time 02/04/20 12:45 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 17:30 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 15:08 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 13:53 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 22:01 | JDG | Mt. Juliet, TN |
| BH-3 (0-1') L1189076-10 Solid | | | Collected by | Collected date/time 02/04/20 13:00 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| | | | date/time | date/time | | |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 17:40 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 15:29 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 14:12 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 22:18 | JDG | Mt. Juliet, TN |

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| BH-3 (2-3') L1189076-11 Solid | | | Collected by | Collected date/time 02/04/20 13:05 | Received date/time 02/13/20 09:40 | |
|---|-----------|----------|--------------------------|---------------------------------------|--------------------------------------|----------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 17:50 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 15:50 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 14:31 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 22:34 | JDG | Mt. Juliet, TN |
| BH-3 (4-5') L1189076-12 Solid | | | Collected by | Collected date/time 02/04/20 13:10 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 18:18 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 16:10 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 14:50 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 22:51 | JDG | Mt. Juliet, TN |
| BH-3 (6-7') L1189076-13 Solid | | | Collected by | Collected date/time 02/04/20 13:15 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 18:28 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 16:31 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 15:09 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 23:08 | JDG | Mt. Juliet, TN |
| BH-4 (0-1') L1189076-14 Solid | | | Collected by | Collected date/time 02/04/20 13:30 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 18:37 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 16:51 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 15:28 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 23:24 | JDG | Mt. Juliet, TN |
| BH-4 (2-3') L1189076-15 Solid | | | Collected by | Collected date/time 02/04/20 13:35 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427902 | 1 | 02/14/20 18:52 | 02/14/20 19:03 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 19:06 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 17:12 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 15:46 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 23:41 | JDG | Mt. Juliet, TN |

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| BH-4 (4-5') L1189076-16 Solid | | | Collected by | Collected date/time 02/04/20 13:40 | Received da 02/13/20 09 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 19:15 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 17:32 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 16:42 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/14/20 23:58 | JDG | Mt. Juliet, TN |
| BH-4 (6-7') L1189076-17 Solid | | | Collected by | Collected date/time 02/04/20 13:45 | Received da 02/13/20 09 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 19:25 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 17:53 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 17:01 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/15/20 00:14 | JDG | Mt. Juliet, TN |
| BH-5 (0-1') L1189076-18 Solid | | | Collected by | Collected date/time 02/04/20 13:00 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| | | | date/time | date/time | | |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 19:34 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 18:14 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 17:19 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/15/20 00:31 | JDG | Mt. Juliet, TN |
| BH-5 (2-3') L1189076-19 Solid | | | Collected by | Collected date/time 02/04/20 13:05 | Received da 02/13/20 09 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429466 | 1 | 02/18/20 13:58 | 02/18/20 19:53 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 18:34 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 17:38 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1427771 | 1 | 02/14/20 07:17 | 02/15/20 00:47 | JDG | Mt. Juliet, TN |
| BH-5 (4-5') L1189076-20 Solid | | | Collected by | Collected date/time 02/04/20 13:10 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 19:54 | ST | Mt. Juliet, TN |
| | WG1428015 | 1 | 02/13/20 22:59 | 02/14/20 18:55 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | | | | | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO Volatile Organic Compounds (GC/MS) by Method 8260B | WG1427887 | 1 | 02/13/20 22:59 | 02/14/20 17:57 | DWR | ML JUNEL IN |

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| BH-5 (6-7') L1189076-21 Solid | | | Collected by | Collected date/time 02/04/20 13:15 | Received da 02/13/20 09: | |
|--|------------------------|----------|--------------------------|---------------------------------------|--------------------------------------|----------------------------------|
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| | | | date/time | date/time | | |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 20:12 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 14:53 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 12:20 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428660 | 1 | 02/15/20 19:29 | 02/16/20 01:08 | KME | Mt. Juliet, TN |
| BH-6 (0-1') L1189076-22 Solid | | | Collected by | Collected date/time 02/07/20 10:00 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1427903 WG1429584 | 1 | 02/14/20 18:35 | 02/19/20 20:22 | ST | Mt. Juliet, TN Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1429384 WG1428117 | 1 | 02/19/20 17.40 | 02/14/20 15:16 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 80150/GRO | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 12:39 | DWR | Mt. Juliet, TN Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8005 | WG1428660 | 1 | 02/15/20 19:29 | 02/16/20 01:21 | KME | Mt. Juliet, TN |
| BH-6 (2-3') L1189076-23 Solid | | | Collected by | Collected date/time 02/07/20 10:05 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| | | | date/time | date/time | | |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 20:31 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 15:40 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 12:58 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428660 | 1 | 02/15/20 19:29 | 02/16/20 01:34 | KME | Mt. Juliet, TN |
| BH-6 (4-5') L1189076-24 Solid | | | Collected by | Collected date/time 02/07/20 10:10 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 20:41 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 16:03 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 13:17 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428660 | 1 | 02/15/20 19:29 | 02/16/20 09:40 | KME | Mt. Juliet, TN |
| BH-6 (6-7') L1189076-25 Solid | | | Collected by | Collected date/time 02/07/20 10:15 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427903 | 1 | 02/14/20 18:35 | 02/14/20 18:47 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 20:50 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 16:27 | JHH | Mt. Juliet, TN |
| | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 13:36 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | | | | | | , |

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| BH-6 (9-10') L1189076-26 Solid | | | Collected by | Collected date/time 02/07/20 10:20 | Received da 02/13/20 09: | |
|--|------------------------|----------|--------------------------|---------------------------------------|--------------------------------------|----------------|
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| | | | date/time | date/time | | |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | .8928571 | 02/19/20 17:40 | 02/19/20 21:00 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 16:51 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 13:55 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428660 | 1 | 02/15/20 19:29 | 02/16/20 02:14 | KME | Mt. Juliet, TN |
| BH-7 (0-1') L1189076-27 Solid | | | Collected by | Collected date/time 02/07/20 11:00 | Received da 02/13/20 09: | |
| | | | | | | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 21:28 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 17:15 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 14:14 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428660 | 1 | 02/15/20 19:29 | 02/16/20 02:27 | KME | Mt. Juliet, TN |
| BH-7 (2-3') L1189076-28 Solid | | | Collected by | Collected date/time 02/07/20 11:05 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| include. | Batan | Diration | date/time | date/time | 7 mary 50 | Location |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 21:38 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1429384 WG1428117 | 1 | 02/13/20 17:40 | 02/14/20 17:54 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 80150/GKO | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 14:33 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 2000 | WG1428660 | 1 | 02/15/20 19:29 | 02/16/20 02:41 | KME | Mt. Juliet, TN |
| BH-7 (4-5') L1189076-29 Solid | | | Collected by | Collected date/time 02/07/20 11:10 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 21:47 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 18:18 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 14:52 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428660 | 1 | 02/15/20 19:29 | 02/16/20 09:01 | KME | Mt. Juliet, TN |
| BH-7 (6-7') L1189076-30 Solid | | | Collected by | Collected date/time 02/07/20 11:15 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location |
| | | | date/time | date/time | - | |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 21:57 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 19:06 | JHH | Mt. Juliet, TN |
| | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 15:11 | DWR | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | | | | | | |

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| BH-8 (0-1') L1189076-31 Solid | | | Collected by | Collected date/time 02/07/20 11:20 | Received da 02/13/20 09: | |
|---|-----------|----------|--------------------------|---------------------------------------|--------------------------------------|----------------|
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 22:07 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 19:30 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 15:30 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428660 | 1 | 02/15/20 19:29 | 02/16/20 03:47 | KME | Mt. Juliet, TN |
| BH-8 (2-3') L1189076-32 Solid | | | Collected by | Collected date/time 02/07/20 12:05 | Received da 02/13/20 09: | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 22:16 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 19:54 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 15:49 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428883 | 1 | 02/17/20 06:21 | 02/17/20 15:08 | KME | Mt. Juliet, TN |
| BH-8 (4-5') L1189076-33 Solid | | | Collected by | Collected date/time 02/07/20 12:10 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 22:45 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 20:18 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 16:08 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428883 | 1 | 02/17/20 06:21 | 02/17/20 15:20 | KME | Mt. Juliet, TN |
| BH-8 (6-7') L1189076-34 Solid | | | Collected by | Collected date/time 02/07/20 12:15 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 22:54 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 20:42 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428016 | 1 | 02/14/20 08:27 | 02/14/20 16:27 | DWR | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428883 | 1 | 02/17/20 06:21 | 02/17/20 15:33 | KME | Mt. Juliet, TN |
| BH-9 (0-1') L1189076-35 Solid | | | Collected by | Collected date/time 02/07/20 13:00 | Received date/time 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation date/time | Analysis date/time | Analyst | Location |
| Total Solids by Method 2540 G-2011 | WG1427904 | 1 | 02/14/20 18:19 | 02/14/20 18:32 | KDW | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 23:23 | ST | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 21:58 | JHH | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428051 | 1 | 02/14/20 08:27 | 02/14/20 15:07 | BMB | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428883 | 1 | 02/17/20 06:21 | 02/17/20 17:15 | KME | Mt. Juliet, TN |

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|---|---------------|----------|----------------|---------------------|----------------|----------------|--|
| | | | Collected by | Collected date/time | | | |
| BH-9 (2-3') L1189076-36 Solid | | | | 02/07/20 13:05 | 02/13/20 09:40 | | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location | |
| | | | date/time | date/time | | | |
| Total Solids by Method 2540 G-2011 | WG1427905 | 1 | 02/19/20 09:29 | 02/19/20 09:41 | KDW | Mt. Juliet, TN | |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 23:32 | ST | Mt. Juliet, TN | |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 22:22 | JHH | Mt. Juliet, TN | |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428051 | 1 | 02/14/20 08:27 | 02/14/20 15:27 | BMB | Mt. Juliet, TN | |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428883 | 1 | 02/17/20 06:21 | 02/17/20 16:49 | KME | Mt. Juliet, TN | |
| | | | Collected by | Collected date/time | Received da | te/time | |
| BH-9 (4-5') L1189076-37 Solid | | | | 02/07/20 13:10 | 02/13/20 09 | 02/13/20 09:40 | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location | |
| | | | date/time | date/time | | | |
| Total Solids by Method 2540 G-2011 | WG1427905 | 1 | 02/19/20 09:29 | 02/19/20 09:41 | KDW | Mt. Juliet, TN | |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 23:42 | ST | Mt. Juliet, TN | |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 22:46 | JHH | Mt. Juliet, TN | |
| Volatile Organic Compounds (GC/MS) by Method 8260B | WG1428051 | 1 | 02/14/20 08:27 | 02/14/20 15:47 | BMB | Mt. Juliet, TN | |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1428883 | 1 | 02/17/20 06:21 | 02/17/20 15:46 | KME | Mt. Juliet, TN | |
| | | | Collected by | Collected date/time | Received da | te/time | |
| BH-9 (6-7') L1189076-38 Solid | | | | 02/07/20 13:20 | 02/13/20 09:40 | | |
| Method | Batch | Dilution | Preparation | Analysis | Analyst | Location | |
| | 14/04/10/2005 | | date/time | date/time | KDW | NAL 1 11. 1 Th | |
| Total Solids by Method 2540 G-2011 | WG1427905 | 1 | 02/19/20 09:29 | 02/19/20 09:41 | KDW | Mt. Juliet, TN | |
| Wet Chemistry by Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 23:51 | ST | Mt. Juliet, TN | |

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| | DdlCII | Dilution | Preparation | Andiysis | Andiyst | LOCATION |
|-----------------------------------|-----------|----------|----------------|----------------|---------|----------------|
| | | | date/time | date/time | | |
| thod 2540 G-2011 | WG1427905 | 1 | 02/19/20 09:29 | 02/19/20 09:41 | KDW | Mt. Juliet, TN |
| Method 300.0 | WG1429584 | 1 | 02/19/20 17:40 | 02/19/20 23:51 | ST | Mt. Juliet, TN |
| ompounds (GC) by Method 8015D/GRO | WG1428117 | 1 | 02/14/20 08:27 | 02/14/20 23:10 | JHH | Mt. Juliet, TN |
| ompounds (GC/MS) by Method 8260B | WG1428051 | 1 | 02/14/20 08:27 | 02/14/20 16:07 | BMB | Mt. Juliet, TN |
| nic Compounds (GC) by Method 8015 | WG1428883 | 1 | 02/17/20 06:21 | 02/17/20 15:59 | KME | Mt. Juliet, TN |
| | | | | | | |

DATE/TIME: 02/24/20 17:09

CASE NARRATIVE

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

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Chris McCord Project Manager

ACCOUNT: ConocoPhillips - Tetra Tech PROJECT: 212C-MD-02031

SDG: L1189076 DATE/TIME: 02/24/20 17:09

ИЕ: 7:09 PAGE: 12 of 75 Received (b) - 9 SD: 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 12:00

SAMPLE RESULTS - 01

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 82.3 | | 1 | 02/14/2020 22:57 | WG1427899 | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 816 | | 0.966 | 12.2 | 1 | 02/18/2020 15:46 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0311 | ВJ | 0.0264 | 0.122 | 1 | 02/14/2020 18:36 | WG1427939 |
| (S) a,a,a-Trifluorotoluene(FID) | 95.5 | | | 77.0-120 | | 02/14/2020 18:36 | WG1427939 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 0.000486 | J | 0.000486 | 0.00122 | 1 | 02/14/2020 11:22 | <u>WG1427887</u> |
| Toluene | 0.00425 | J | 0.00152 | 0.00608 | 1 | 02/14/2020 11:22 | <u>WG1427887</u> |
| Ethylbenzene | 0.00182 | J | 0.000644 | 0.00304 | 1 | 02/14/2020 11:22 | <u>WG1427887</u> |
| Total Xylenes | 0.0123 | | 0.00581 | 0.00790 | 1 | 02/14/2020 11:22 | WG1427887 |
| (S) Toluene-d8 | 102 | | | 75.0-131 | | 02/14/2020 11:22 | WG1427887 |
| (S) 4-Bromofluorobenzene | 90.8 | | | 67.0-138 | | 02/14/2020 11:22 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 115 | | | 70.0-130 | | 02/14/2020 11:22 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.96 | 4.86 | 1 | 02/14/2020 19:20 | <u>WG1427771</u> |
| C28-C40 Oil Range | 0.892 | ВJ | 0.333 | 4.86 | 1 | 02/14/2020 19:20 | <u>WG1427771</u> |
| (S) o-Terphenyl | 52.8 | | | 18.0-148 | | 02/14/2020 19:20 | <u>WG1427771</u> |

SDG: L1189076

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SAMPLE RESULTS - 02

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 94.7 | | 1 | 02/14/2020 22:57 | WG1427899 | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 359 | | 0.839 | 10.6 | 1 | 02/18/2020 15:55 | WG1429466 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0430 | ВJ | 0.0229 | 0.106 | 1 | 02/14/2020 12:45 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.1 | | | 77.0-120 | | 02/14/2020 12:45 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000422 | 0.00106 | 1 | 02/14/2020 11:41 | <u>WG1427887</u> |
| Toluene | 0.00158 | J | 0.00132 | 0.00528 | 1 | 02/14/2020 11:41 | <u>WG1427887</u> |
| Ethylbenzene | 0.000713 | J | 0.000559 | 0.00264 | 1 | 02/14/2020 11:41 | <u>WG1427887</u> |
| Total Xylenes | U | | 0.00505 | 0.00686 | 1 | 02/14/2020 11:41 | <u>WG1427887</u> |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 02/14/2020 11:41 | <u>WG1427887</u> |
| (S) 4-Bromofluorobenzene | 88.8 | | | 67.0-138 | | 02/14/2020 11:41 | <u>WG1427887</u> |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 02/14/2020 11:41 | WG1427887 |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 1.97 | J | 1.70 | 4.22 | 1 | 02/14/2020 19:37 | WG1427771 |
| C28-C40 Oil Range | 5.66 | B | 0.289 | 4.22 | 1 | 02/14/2020 19:37 | <u>WG1427771</u> |
| (S) o-Terphenyl | 68.9 | | | 18.0-148 | | 02/14/2020 19:37 | <u>WG1427771</u> |

Received (12-99): 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 12:10

SAMPLE RESULTS - 03 L1189076

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | |) |
|--------------|--------|-----------|----------|------------------|-----------|----|---|
| Analyte | % | | | date / time | | 2 | |
| Total Solids | 91.5 | | 1 | 02/14/2020 22:57 | WG1427899 | Tc | |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 78.4 | | 0.869 | 10.9 | 1 | 02/18/2020 16:05 | WG1429466 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| TPH (GC/FID) Low Fraction | 0.0453 | ВJ | 0.0237 | 0.109 | 1 | 02/14/2020 13:05 | WG1428015 | |
| (S) a,a,a-Trifluorotoluene(FID) | 88.8 | | | 77.0-120 | | 02/14/2020 13:05 | <u>WG1428015</u> | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000437 | 0.00109 | 1 | 02/14/2020 12:00 | WG1427887 |
| Toluene | 0.00178 | J | 0.00137 | 0.00547 | 1 | 02/14/2020 12:00 | WG1427887 |
| Ethylbenzene | U | | 0.000579 | 0.00273 | 1 | 02/14/2020 12:00 | WG1427887 |
| Total Xylenes | U | | 0.00523 | 0.00711 | 1 | 02/14/2020 12:00 | WG1427887 |
| (S) Toluene-d8 | 100 | | | 75.0-131 | | 02/14/2020 12:00 | WG1427887 |
| (S) 4-Bromofluorobenzene | 87.6 | | | 67.0-138 | | 02/14/2020 12:00 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 02/14/2020 12:00 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 1.95 | J | 1.76 | 4.37 | 1 | 02/14/2020 19:54 | WG1427771 |
| C28-C40 Oil Range | 4.33 | ВJ | 0.300 | 4.37 | 1 | 02/14/2020 19:54 | <u>WG1427771</u> |
| (S) o-Terphenyl | 74.6 | | | 18.0-148 | | 02/14/2020 19:54 | <u>WG1427771</u> |

SDG: L1189076

Received (b) -990: 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 12:15

SAMPLE RESULTS - 04

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 87.1 | | 1 | 02/14/2020 22:57 | WG1427899 | ŤС |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 366 | | 0.912 | 11.5 | 1 | 02/18/2020 16:24 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0454 | ВJ | 0.0249 | 0.115 | 1 | 02/14/2020 13:26 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.4 | | | 77.0-120 | | 02/14/2020 13:26 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000459 | 0.00115 | 1 | 02/14/2020 12:19 | WG1427887 |
| Toluene | 0.00226 | J | 0.00143 | 0.00574 | 1 | 02/14/2020 12:19 | WG1427887 |
| Ethylbenzene | U | | 0.000608 | 0.00287 | 1 | 02/14/2020 12:19 | WG1427887 |
| Total Xylenes | U | | 0.00549 | 0.00746 | 1 | 02/14/2020 12:19 | WG1427887 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 02/14/2020 12:19 | WG1427887 |
| (S) 4-Bromofluorobenzene | 90.7 | | | 67.0-138 | | 02/14/2020 12:19 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 | | 02/14/2020 12:19 | WG1427887 |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 1.95 | J | 1.85 | 4.59 | 1 | 02/14/2020 20:08 | WG1427771 |
| C28-C40 Oil Range | 3.47 | ВJ | 0.314 | 4.59 | 1 | 02/14/2020 20:08 | WG1427771 |
| (S) o-Terphenyl | 69.6 | | | 18.0-148 | | 02/14/2020 20:08 | WG1427771 |

Received (by 06D: 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 12:20

SAMPLE RESULTS - 05

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 94.4 | | 1 | 02/14/2020 22:57 | WG1427899 | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 414 | | 0.842 | 10.6 | 1 | 02/18/2020 16:33 | WG1429466 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0374 | ВJ | 0.0230 | 0.106 | 1 | 02/14/2020 13:46 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.6 | | | 77.0-120 | | 02/14/2020 13:46 | WG1428015 |

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

| Result (dry) Qualifier MDL (dry) RDL (dry) Dilution Analysis Batch Analyte mg/kg mg/kg mg/kg date / time date / time Benzene U 0.000424 0.00106 1 02/14/2020 12:38 WG1427887 Toluene 0.00159 J 0.00520 0.00255 1 02/14/2020 12:38 WG1427887 Ethylbenzene U 0.000562 0.00265 1 02/14/2020 12:38 WG1427887 Total Xylenes U 0.00507 0.00689 1 02/14/2020 12:38 WG1427887 (S) Toluene-d8 103 - 75.0-131 02/14/2020 12:38 WG1427887 (S) 4-Bromofluorobenzene 88.6 - - 75.0-131 02/14/2020 12:38 WG1427887 (S) 1,2-Dichloroethane-d4 103 - 70.0-130 02/14/2020 12:38 WG1427887 | | | | | | | | |
|--|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Benzene U 0.000424 0.00106 1 02/14/2020 12:38 WG1427887 Toluene 0.00159 J 0.00132 0.00530 1 02/14/2020 12:38 WG1427887 Ethylbenzene U 0.000562 0.00265 1 02/14/2020 12:38 WG1427887 Total Xylenes U 0.00507 0.00689 1 02/14/2020 12:38 WG1427887 (S) Toluene-d8 103 75.0-131 02/14/2020 12:38 WG1427887 (S) 4-Bromofluorobenzene 88.6 67.0-138 02/14/2020 12:38 WG1427887 | | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
| Toluene 0.00159 J 0.00132 0.00530 1 02/14/2020 12:38 WG1427887 Ethylbenzene U 0.000562 0.00265 1 02/14/2020 12:38 WG1427887 Total Xylenes U 0.00507 0.00689 1 02/14/2020 12:38 WG1427887 (S) Toluene-d8 103 75.0-131 02/14/2020 12:38 WG1427887 (S) 4-Bromofluorobenzene 88.6 67.0-138 02/14/2020 12:38 WG1427887 | Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Ethylbenzene U 0.000562 0.00265 1 02/14/2020 12:38 WG1427887 Total Xylenes U 0.00507 0.00689 1 02/14/2020 12:38 WG1427887 (S) Toluene-d8 103 75.0-131 02/14/2020 12:38 WG1427887 (S) 4-Bromofluorobenzene 88.6 67.0-138 02/14/2020 12:38 WG1427887 | Benzene | U | | 0.000424 | 0.00106 | 1 | 02/14/2020 12:38 | <u>WG1427887</u> |
| Total Xylenes U 0.00507 0.00689 1 02/14/2020 12:38 WG1427887 (s) Toluene-d8 103 75.0-131 02/14/2020 12:38 WG1427887 (s) 4-Bromofluorobenzene 88.6 67.0-138 02/14/2020 12:38 WG1427887 | Toluene | 0.00159 | J | 0.00132 | 0.00530 | 1 | 02/14/2020 12:38 | <u>WG1427887</u> |
| (S) Toluene-d8 103 75.0-131 02/14/2020 12:38 WG1427887 (S) 4-Bromofluorobenzene 88.6 67.0-138 02/14/2020 12:38 WG1427887 | Ethylbenzene | U | | 0.000562 | 0.00265 | 1 | 02/14/2020 12:38 | WG1427887 |
| (S) 4-Bromofluorobenzene 88.6 67.0-138 02/14/2020 12:38 WG1427887 | Total Xylenes | U | | 0.00507 | 0.00689 | 1 | 02/14/2020 12:38 | <u>WG1427887</u> |
| | (S) Toluene-d8 | 103 | | | 75.0-131 | | 02/14/2020 12:38 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 103 70.0-130 02/14/2020 12:38 WG1427887 | (S) 4-Bromofluorobenzene | 88.6 | | | 67.0-138 | | 02/14/2020 12:38 | <u>WG1427887</u> |
| | (S) 1,2-Dichloroethane-d4 | 103 | | | 70.0-130 | | 02/14/2020 12:38 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.71 | 4.24 | 1 | 02/14/2020 20:25 | <u>WG1427771</u> |
| C28-C40 Oil Range | 2.35 | B J | 0.290 | 4.24 | 1 | 02/14/2020 20:25 | <u>WG1427771</u> |
| (S) o-Terphenyl | 73.2 | | | 18.0-148 | | 02/14/2020 20:25 | <u>WG1427771</u> |

SDG: L1189076

Recreized by OCP: 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 12:30

SAMPLE RESULTS - 06

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 80.8 | | 1 | 02/14/2020 19:03 | WG1427902 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 63.4 | | 0.984 | 12.4 | 1 | 02/18/2020 16:43 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | Quaimer | mg/kg | mg/kg | Dilution | date / time | Datch | |
| TPH (GC/FID) Low Fraction | 0.0479 | ВJ | 0.0268 | 0.124 | 1 | 02/14/2020 14:07 | WG1428015 | |
| (S) a,a,a-Trifluorotoluene(FID) | 89.5 | | | 77.0-120 | | 02/14/2020 14:07 | WG1428015 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000495 | 0.00124 | 1 | 02/14/2020 12:56 | <u>WG1427887</u> |
| Toluene | 0.00217 | J | 0.00155 | 0.00619 | 1 | 02/14/2020 12:56 | WG1427887 |
| Ethylbenzene | U | | 0.000656 | 0.00309 | 1 | 02/14/2020 12:56 | WG1427887 |
| Total Xylenes | U | | 0.00591 | 0.00804 | 1 | 02/14/2020 12:56 | WG1427887 |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 02/14/2020 12:56 | WG1427887 |
| (S) 4-Bromofluorobenzene | 86.7 | | | 67.0-138 | | 02/14/2020 12:56 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 02/14/2020 12:56 | <u>WG1427887</u> |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.99 | 4.95 | 1 | 02/14/2020 20:40 | WG1427771 |
| C28-C40 Oil Range | 1.70 | ВJ | 0.339 | 4.95 | 1 | 02/14/2020 20:40 | WG1427771 |
| (S) o-Terphenyl | 45.7 | | | 18.0-148 | | 02/14/2020 20:40 | WG1427771 |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 80.9 | | 1 | 02/14/2020 19:03 | WG1427902 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 32.7 | B | 0.983 | 12.4 | 1 | 02/18/2020 17:11 | WG1429466 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| TPH (GC/FID) Low Fraction | U | | 0.0268 | 0.124 | 1 | 02/18/2020 11:49 | WG1429393 | |
| (S) a,a,a-Trifluorotoluene(FID) | 98.5 | | | 77.0-120 | | 02/18/2020 11:49 | WG1429393 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 0.000618 | J | 0.000494 | 0.00124 | 1 | 02/14/2020 13:15 | <u>WG1427887</u> |
| Toluene | U | | 0.00155 | 0.00618 | 1 | 02/14/2020 13:15 | <u>WG1427887</u> |
| Ethylbenzene | U | | 0.000655 | 0.00309 | 1 | 02/14/2020 13:15 | WG1427887 |
| Total Xylenes | U | | 0.00591 | 0.00803 | 1 | 02/14/2020 13:15 | <u>WG1427887</u> |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 02/14/2020 13:15 | <u>WG1427887</u> |
| (S) 4-Bromofluorobenzene | 89.9 | | | 67.0-138 | | 02/14/2020 13:15 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 | | 02/14/2020 13:15 | WG1427887 |
| | | | | | | | |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.99 | 4.94 | 1 | 02/14/2020 21:29 | WG1427771 |
| C28-C40 Oil Range | 6.66 | В | 0.339 | 4.94 | 1 | 02/14/2020 21:29 | <u>WG1427771</u> |
| (S) o-Terphenyl | 56.6 | | | 18.0-148 | | 02/14/2020 21:29 | WG1427771 |

Received (p. 00): 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 12:40

SAMPLE RESULTS - 08

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 85.6 | | 1 | 02/14/2020 19:03 | WG1427902 | ЪТ |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 73.3 | | 0.929 | 11.7 | 1 | 02/18/2020 17:21 | WG1429466 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0513 | ВJ | 0.0253 | 0.117 | 1 | 02/14/2020 14:48 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.4 | | | 77.0-120 | | 02/14/2020 14:48 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000467 | 0.00117 | 1 | 02/14/2020 13:34 | <u>WG1427887</u> |
| Toluene | 0.00167 | J | 0.00146 | 0.00584 | 1 | 02/14/2020 13:34 | <u>WG1427887</u> |
| Ethylbenzene | U | | 0.000619 | 0.00292 | 1 | 02/14/2020 13:34 | WG1427887 |
| Total Xylenes | U | | 0.00558 | 0.00759 | 1 | 02/14/2020 13:34 | WG1427887 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 02/14/2020 13:34 | WG1427887 |
| (S) 4-Bromofluorobenzene | 86.8 | | | 67.0-138 | | 02/14/2020 13:34 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 102 | | | 70.0-130 | | 02/14/2020 13:34 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.88 | 4.67 | 1 | 02/14/2020 21:46 | WG1427771 |
| C28-C40 Oil Range | 1.38 | ВJ | 0.320 | 4.67 | 1 | 02/14/2020 21:46 | <u>WG1427771</u> |
| (S) o-Terphenyl | 69.6 | | | 18.0-148 | | 02/14/2020 21:46 | <u>WG1427771</u> |

Recreized by OCP: 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 12:45

SAMPLE RESULTS - 09

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 97.2 | | 1 | 02/14/2020 19:03 | WG1427902 | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 60.9 | | 0.818 | 10.3 | 1 | 02/18/2020 17:30 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0373 | ВJ | 0.0223 | 0.103 | 1 | 02/14/2020 15:08 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.1 | | | 77.0-120 | | 02/14/2020 15:08 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000412 | 0.00103 | 1 | 02/14/2020 13:53 | <u>WG1427887</u> |
| Toluene | 0.00132 | J | 0.00129 | 0.00514 | 1 | 02/14/2020 13:53 | WG1427887 |
| Ethylbenzene | U | | 0.000545 | 0.00257 | 1 | 02/14/2020 13:53 | WG1427887 |
| Total Xylenes | U | | 0.00492 | 0.00669 | 1 | 02/14/2020 13:53 | WG1427887 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 02/14/2020 13:53 | WG1427887 |
| (S) 4-Bromofluorobenzene | 88.7 | | | 67.0-138 | | 02/14/2020 13:53 | <u>WG1427887</u> |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 02/14/2020 13:53 | <u>WG1427887</u> |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.66 | 4.12 | 1 | 02/14/2020 22:01 | <u>WG1427771</u> |
| C28-C40 Oil Range | 1.07 | B J | 0.282 | 4.12 | 1 | 02/14/2020 22:01 | <u>WG1427771</u> |
| (S) o-Terphenyl | 74.3 | | | 18.0-148 | | 02/14/2020 22:01 | WG1427771 |

SAMPLE RESULTS - 10 L1189076

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 93.8 | | 1 | 02/14/2020 19:03 | WG1427902 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 299 | | 0.847 | 10.7 | 1 | 02/18/2020 17:40 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0409 | ВJ | 0.0231 | 0.107 | 1 | 02/14/2020 15:29 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 90.1 | | | 77.0-120 | | 02/14/2020 15:29 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000426 | 0.00107 | 1 | 02/14/2020 14:12 | WG1427887 |
| Toluene | U | | 0.00133 | 0.00533 | 1 | 02/14/2020 14:12 | WG1427887 |
| Ethylbenzene | U | | 0.000565 | 0.00266 | 1 | 02/14/2020 14:12 | WG1427887 |
| Total Xylenes | U | | 0.00509 | 0.00693 | 1 | 02/14/2020 14:12 | WG1427887 |
| (S) Toluene-d8 | 102 | | | 75.0-131 | | 02/14/2020 14:12 | WG1427887 |
| (S) 4-Bromofluorobenzene | 85.6 | | | 67.0-138 | | 02/14/2020 14:12 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 97.4 | | | 70.0-130 | | 02/14/2020 14:12 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.72 | 4.26 | 1 | 02/14/2020 22:18 | WG1427771 |
| C28-C40 Oil Range | 7.61 | B | 0.292 | 4.26 | 1 | 02/14/2020 22:18 | WG1427771 |
| (S) o-Terphenyl | 65.9 | | | 18.0-148 | | 02/14/2020 22:18 | WG1427771 |

22 of 75

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 86.1 | | 1 | 02/14/2020 19:03 | WG1427902 | ЪС |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 65.6 | | 0.923 | 11.6 | 1 | 02/18/2020 17:50 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| TPH (GC/FID) Low Fraction | 0.0477 | ВJ | 0.0252 | 0.116 | 1 | 02/14/2020 15:50 | WG1428015 | |
| (S) a,a,a-Trifluorotoluene(FID) | 89.0 | | | 77.0-120 | | 02/14/2020 15:50 | WG1428015 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000464 | 0.00116 | 1 | 02/14/2020 14:31 | WG1427887 |
| Toluene | 0.00163 | J | 0.00145 | 0.00580 | 1 | 02/14/2020 14:31 | WG1427887 |
| Ethylbenzene | U | | 0.000615 | 0.00290 | 1 | 02/14/2020 14:31 | WG1427887 |
| Total Xylenes | U | | 0.00555 | 0.00755 | 1 | 02/14/2020 14:31 | WG1427887 |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 02/14/2020 14:31 | WG1427887 |
| (S) 4-Bromofluorobenzene | 85.6 | | | 67.0-138 | | 02/14/2020 14:31 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 97.5 | | | 70.0-130 | | 02/14/2020 14:31 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.87 | 4.64 | 1 | 02/14/2020 22:34 | <u>WG1427771</u> |
| C28-C40 Oil Range | 4.82 | В | 0.318 | 4.64 | 1 | 02/14/2020 22:34 | <u>WG1427771</u> |
| (S) o-Terphenyl | 64.4 | | | 18.0-148 | | 02/14/2020 22:34 | WG1427771 |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 84.4 | | 1 | 02/14/2020 19:03 | WG1427902 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 215 | | 0.942 | 11.9 | 1 | 02/18/2020 18:18 | WG1429466 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0435 | ВJ | 0.0257 | 0.119 | 1 | 02/14/2020 16:10 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.7 | | | 77.0-120 | | 02/14/2020 16:10 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000474 | 0.00119 | 1 | 02/14/2020 14:50 | <u>WG1427887</u> |
| Toluene | 0.00148 | J | 0.00148 | 0.00593 | 1 | 02/14/2020 14:50 | WG1427887 |
| Ethylbenzene | U | | 0.000628 | 0.00296 | 1 | 02/14/2020 14:50 | WG1427887 |
| Total Xylenes | U | | 0.00567 | 0.00771 | 1 | 02/14/2020 14:50 | WG1427887 |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 02/14/2020 14:50 | WG1427887 |
| (S) 4-Bromofluorobenzene | 88.9 | | | 67.0-138 | | 02/14/2020 14:50 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 02/14/2020 14:50 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.91 | 4.74 | 1 | 02/14/2020 22:51 | WG1427771 |
| C28-C40 Oil Range | 5.84 | В | 0.325 | 4.74 | 1 | 02/14/2020 22:51 | WG1427771 |
| (S) o-Terphenyl | 58.8 | | | 18.0-148 | | 02/14/2020 22:51 | <u>WG1427771</u> |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Cp |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 90.8 | | 1 | 02/14/2020 19:03 | WG1427902 | Ťc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 327 | | 0.876 | 11.0 | 1 | 02/18/2020 18:28 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0420 | ВJ | 0.0239 | 0.110 | 1 | 02/14/2020 16:31 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.8 | | | 77.0-120 | | 02/14/2020 16:31 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000441 | 0.00110 | 1 | 02/14/2020 15:09 | <u>WG1427887</u> |
| Toluene | U | | 0.00138 | 0.00551 | 1 | 02/14/2020 15:09 | <u>WG1427887</u> |
| Ethylbenzene | U | | 0.000584 | 0.00275 | 1 | 02/14/2020 15:09 | <u>WG1427887</u> |
| Total Xylenes | U | | 0.00527 | 0.00716 | 1 | 02/14/2020 15:09 | <u>WG1427887</u> |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 02/14/2020 15:09 | WG1427887 |
| (S) 4-Bromofluorobenzene | 89.0 | | | 67.0-138 | | 02/14/2020 15:09 | <u>WG1427887</u> |
| (S) 1,2-Dichloroethane-d4 | 98.8 | | | 70.0-130 | | 02/14/2020 15:09 | WG1427887 |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.77 | 4.41 | 1 | 02/14/2020 23:08 | <u>WG1427771</u> |
| C28-C40 Oil Range | 0.601 | B J | 0.302 | 4.41 | 1 | 02/14/2020 23:08 | <u>WG1427771</u> |
| (S) o-Terphenyl | 73.9 | | | 18.0-148 | | 02/14/2020 23:08 | <u>WG1427771</u> |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | (| Ср |
|--------------|--------|-----------|----------|------------------|-----------|---|----|
| Analyte | % | | | date / time | | 2 | _ |
| Total Solids | 93.8 | | 1 | 02/14/2020 19:03 | WG1427902 | | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 54.8 | | 0.847 | 10.7 | 1 | 02/18/2020 18:37 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| TPH (GC/FID) Low Fraction | 0.0386 | ВJ | 0.0231 | 0.107 | 1 | 02/14/2020 16:51 | WG1428015 | |
| (S) a,a,a-Trifluorotoluene(FID) | 90.4 | | | 77.0-120 | | 02/14/2020 16:51 | WG1428015 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000426 | 0.00107 | 1 | 02/14/2020 15:28 | WG1427887 |
| Toluene | U | | 0.00133 | 0.00533 | 1 | 02/14/2020 15:28 | WG1427887 |
| Ethylbenzene | U | | 0.000565 | 0.00266 | 1 | 02/14/2020 15:28 | WG1427887 |
| Total Xylenes | U | | 0.00509 | 0.00693 | 1 | 02/14/2020 15:28 | WG1427887 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 02/14/2020 15:28 | WG1427887 |
| (S) 4-Bromofluorobenzene | 86.6 | | | 67.0-138 | | 02/14/2020 15:28 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 100 | | | 70.0-130 | | 02/14/2020 15:28 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.72 | 4.26 | 1 | 02/14/2020 23:24 | <u>WG1427771</u> |
| C28-C40 Oil Range | 3.44 | ВJ | 0.292 | 4.26 | 1 | 02/14/2020 23:24 | <u>WG1427771</u> |
| (S) o-Terphenyl | 67.6 | | | 18.0-148 | | 02/14/2020 23:24 | <u>WG1427771</u> |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 82.2 | | 1 | 02/14/2020 19:03 | WG1427902 | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 76.3 | | 0.967 | 12.2 | 1 | 02/18/2020 19:06 | WG1429466 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|---|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | 0 |
| TPH (GC/FID) Low Fraction | 0.0463 | ВJ | 0.0264 | 0.122 | 1 | 02/14/2020 17:12 | WG1428015 | |
| (S) a,a,a-Trifluorotoluene(FID) | 88.6 | | | 77.0-120 | | 02/14/2020 17:12 | WG1428015 | 7 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000486 | 0.00122 | 1 | 02/14/2020 15:46 | <u>WG1427887</u> |
| Toluene | U | | 0.00152 | 0.00608 | 1 | 02/14/2020 15:46 | WG1427887 |
| Ethylbenzene | U | | 0.000645 | 0.00304 | 1 | 02/14/2020 15:46 | WG1427887 |
| Total Xylenes | U | | 0.00581 | 0.00790 | 1 | 02/14/2020 15:46 | WG1427887 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 02/14/2020 15:46 | WG1427887 |
| (S) 4-Bromofluorobenzene | 87.3 | | | 67.0-138 | | 02/14/2020 15:46 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 98.2 | | | 70.0-130 | | 02/14/2020 15:46 | WG1427887 |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.96 | 4.86 | 1 | 02/14/2020 23:41 | <u>WG1427771</u> |
| C28-C40 Oil Range | U | | 0.333 | 4.86 | 1 | 02/14/2020 23:41 | <u>WG1427771</u> |
| (S) o-Terphenyl | 40.2 | | | 18.0-148 | | 02/14/2020 23:41 | WG1427771 |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 95.4 | | 1 | 02/14/2020 18:47 | WG1427903 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 20.8 | B | 0.833 | 10.5 | 1 | 02/18/2020 19:15 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0423 | ВJ | 0.0227 | 0.105 | 1 | 02/14/2020 17:32 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.3 | | | 77.0-120 | | 02/14/2020 17:32 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000419 | 0.00105 | 1 | 02/14/2020 16:42 | <u>WG1427887</u> |
| Toluene | 0.00223 | J | 0.00131 | 0.00524 | 1 | 02/14/2020 16:42 | <u>WG1427887</u> |
| Ethylbenzene | 0.000943 | J | 0.000556 | 0.00262 | 1 | 02/14/2020 16:42 | <u>WG1427887</u> |
| Total Xylenes | U | | 0.00501 | 0.00681 | 1 | 02/14/2020 16:42 | WG1427887 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 02/14/2020 16:42 | WG1427887 |
| (S) 4-Bromofluorobenzene | 87.6 | | | 67.0-138 | | 02/14/2020 16:42 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 97.7 | | | 70.0-130 | | 02/14/2020 16:42 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 7.65 | | 1.69 | 4.19 | 1 | 02/14/2020 23:58 | WG1427771 |
| C28-C40 Oil Range | 17.0 | В | 0.287 | 4.19 | 1 | 02/14/2020 23:58 | <u>WG1427771</u> |
| (S) o-Terphenyl | 64.5 | | | 18.0-148 | | 02/14/2020 23:58 | <u>WG1427771</u> |

SDG: L1189076

Received by OCP: 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 13:45

SAMPLE RESULTS - 17

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 96.4 | | 1 | 02/14/2020 18:47 | WG1427903 | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 9.20 | ВJ | 0.825 | 10.4 | 1 | 02/18/2020 19:25 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0422 | ВJ | 0.0225 | 0.104 | 1 | 02/14/2020 17:53 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 89.2 | | | 77.0-120 | | 02/14/2020 17:53 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000415 | 0.00104 | 1 | 02/14/2020 17:01 | <u>WG1427887</u> |
| Toluene | 0.00174 | J | 0.00130 | 0.00519 | 1 | 02/14/2020 17:01 | <u>WG1427887</u> |
| Ethylbenzene | U | | 0.000550 | 0.00259 | 1 | 02/14/2020 17:01 | WG1427887 |
| Total Xylenes | U | | 0.00496 | 0.00675 | 1 | 02/14/2020 17:01 | <u>WG1427887</u> |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 02/14/2020 17:01 | WG1427887 |
| (S) 4-Bromofluorobenzene | 86.1 | | | 67.0-138 | | 02/14/2020 17:01 | <u>WG1427887</u> |
| (S) 1,2-Dichloroethane-d4 | 91.3 | | | 70.0-130 | | 02/14/2020 17:01 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.67 | 4.15 | 1 | 02/15/2020 00:14 | WG1427771 |
| C28-C40 Oil Range | 1.02 | ВJ | 0.284 | 4.15 | 1 | 02/15/2020 00:14 | <u>WG1427771</u> |
| (S) o-Terphenyl | 65.2 | | | 18.0-148 | | 02/15/2020 00:14 | WG1427771 |

SDG: L1189076

Received by OCP: 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 13:00

SAMPLE RESULTS - 18

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 79.5 | | 1 | 02/14/2020 18:47 | WG1427903 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 38.1 | | 1.00 | 12.6 | 1 | 02/18/2020 19:34 | WG1429466 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0491 | ВJ | 0.0273 | 0.126 | 1 | 02/14/2020 18:14 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.9 | | | 77.0-120 | | 02/14/2020 18:14 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000503 | 0.00126 | 1 | 02/14/2020 17:19 | <u>WG1427887</u> |
| Toluene | U | | 0.00157 | 0.00629 | 1 | 02/14/2020 17:19 | <u>WG1427887</u> |
| Ethylbenzene | U | | 0.000667 | 0.00314 | 1 | 02/14/2020 17:19 | <u>WG1427887</u> |
| Total Xylenes | U | | 0.00601 | 0.00818 | 1 | 02/14/2020 17:19 | <u>WG1427887</u> |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 02/14/2020 17:19 | <u>WG1427887</u> |
| (S) 4-Bromofluorobenzene | 86.3 | | | 67.0-138 | | 02/14/2020 17:19 | <u>WG1427887</u> |
| (S) 1,2-Dichloroethane-d4 | 98.2 | | | 70.0-130 | | 02/14/2020 17:19 | <u>WG1427887</u> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 2.03 | 5.03 | 1 | 02/15/2020 00:31 | <u>WG1427771</u> |
| C28-C40 Oil Range | 0.648 | ВJ | 0.345 | 5.03 | 1 | 02/15/2020 00:31 | <u>WG1427771</u> |
| (S) o-Terphenyl | 49.5 | | | 18.0-148 | | 02/15/2020 00:31 | <u>WG1427771</u> |

SDG: L1189076

Received by OGP: 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 13:05

SAMPLE RESULTS - 19

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 92.2 | | 1 | 02/14/2020 18:47 | WG1427903 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 50.9 | | 0.862 | 10.8 | 1 | 02/18/2020 19:53 | WG1429466 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | 0.0421 | ВJ | 0.0235 | 0.108 | 1 | 02/14/2020 18:34 | WG1428015 |
| (S) a,a,a-Trifluorotoluene(FID) | 88.3 | | | 77.0-120 | | 02/14/2020 18:34 | WG1428015 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000434 | 0.00108 | 1 | 02/14/2020 17:38 | WG1427887 |
| Toluene | U | | 0.00136 | 0.00542 | 1 | 02/14/2020 17:38 | WG1427887 |
| Ethylbenzene | U | | 0.000575 | 0.00271 | 1 | 02/14/2020 17:38 | WG1427887 |
| Total Xylenes | U | | 0.00518 | 0.00705 | 1 | 02/14/2020 17:38 | WG1427887 |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 02/14/2020 17:38 | WG1427887 |
| (S) 4-Bromofluorobenzene | 85.9 | | | 67.0-138 | | 02/14/2020 17:38 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 95.6 | | | 70.0-130 | | 02/14/2020 17:38 | WG1427887 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.75 | 4.34 | 1 | 02/15/2020 00:47 | <u>WG1427771</u> |
| C28-C40 Oil Range | 2.23 | ВJ | 0.297 | 4.34 | 1 | 02/15/2020 00:47 | <u>WG1427771</u> |
| (S) o-Terphenyl | 69.8 | | | 18.0-148 | | 02/15/2020 00:47 | <u>WG1427771</u> |

SDG: L1189076

Received by OGP: 4/6/2020 12:21:17 PM Collected date/time: 02/04/20 13:10

SAMPLE RESULTS - 20

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 90.0 | | 1 | 02/14/2020 18:47 | WG1427903 | ЪС |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 562 | | 0.883 | 11.1 | 1 | 02/19/2020 19:54 | WG1429584 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|---|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | 0 |
| TPH (GC/FID) Low Fraction | 0.0435 | ВJ | 0.0241 | 0.111 | 1 | 02/14/2020 18:55 | WG1428015 | |
| (S) a,a,a-Trifluorotoluene(FID) | 88.6 | | | 77.0-120 | | 02/14/2020 18:55 | WG1428015 | 7 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000444 | 0.00111 | 1 | 02/14/2020 17:57 | <u>WG1427887</u> |
| Toluene | U | | 0.00139 | 0.00555 | 1 | 02/14/2020 17:57 | WG1427887 |
| Ethylbenzene | U | | 0.000589 | 0.00278 | 1 | 02/14/2020 17:57 | WG1427887 |
| Total Xylenes | U | | 0.00531 | 0.00722 | 1 | 02/14/2020 17:57 | WG1427887 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 02/14/2020 17:57 | WG1427887 |
| (S) 4-Bromofluorobenzene | 88.1 | | | 67.0-138 | | 02/14/2020 17:57 | WG1427887 |
| (S) 1,2-Dichloroethane-d4 | 99.0 | | | 70.0-130 | | 02/14/2020 17:57 | <u>WG1427887</u> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|------------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.79 | 4.44 | 1 | 02/15/2020 01:04 | <u>WG1427771</u> |
| C28-C40 Oil Range | 2.07 | <u>B J</u> | 0.304 | 4.44 | 1 | 02/15/2020 01:04 | <u>WG1427771</u> |
| (S) o-Terphenyl | 66.7 | | | 18.0-148 | | 02/15/2020 01:04 | WG1427771 |

SDG: L1189076

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 94.5 | | 1 | 02/14/2020 18:47 | WG1427903 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 499 | | 0.841 | 10.6 | 1 | 02/19/2020 20:12 | WG1429584 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0230 | 0.106 | 1 | 02/14/2020 14:53 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.7 | | | 77.0-120 | | 02/14/2020 14:53 | <u>WG1428117</u> |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | 0.000556 | J | 0.000423 | 0.00106 | 1 | 02/14/2020 12:20 | <u>WG1428016</u> |
| Toluene | U | | 0.00132 | 0.00529 | 1 | 02/14/2020 12:20 | <u>WG1428016</u> |
| Ethylbenzene | U | | 0.000561 | 0.00265 | 1 | 02/14/2020 12:20 | WG1428016 |
| Total Xylenes | U | | 0.00506 | 0.00688 | 1 | 02/14/2020 12:20 | <u>WG1428016</u> |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 02/14/2020 12:20 | WG1428016 |
| (S) 4-Bromofluorobenzene | 90.8 | | | 67.0-138 | | 02/14/2020 12:20 | <u>WG1428016</u> |
| (S) 1,2-Dichloroethane-d4 | 111 | | | 70.0-130 | | 02/14/2020 12:20 | WG1428016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.70 | 4.23 | 1 | 02/16/2020 01:08 | WG1428660 |
| C28-C40 Oil Range | 1.27 | J | 0.290 | 4.23 | 1 | 02/16/2020 01:08 | WG1428660 |
| (S) o-Terphenyl | 59.9 | | | 18.0-148 | | 02/16/2020 01:08 | WG1428660 |

Received by OCP: 4/6/2020 12:21:17 PM Collected date/time: 02/07/20 10:00

SAMPLE RESULTS - 22

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 82.6 | | 1 | 02/14/2020 18:47 | WG1427903 | ЪТс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 121 | | 0.963 | 12.1 | 1 | 02/19/2020 20:22 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0263 | 0.121 | 1 | 02/14/2020 15:16 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.2 | | | 77.0-120 | | 02/14/2020 15:16 | WG1428117 |

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

| | ng/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis | Batch |
|-------------------------------|-------|-----------|--------------------|--------------------|----------|------------------|-----------|
| | | | mg/kg | mg/kg | | | |
| Benzene U | J | | | 0 0 | | date / time | |
| | | | 0.000484 | 0.00121 | 1 | 02/14/2020 12:39 | WG1428016 |
| Toluene U | J | | 0.00151 | 0.00606 | 1 | 02/14/2020 12:39 | WG1428016 |
| Ethylbenzene U | J | | 0.000642 | 0.00303 | 1 | 02/14/2020 12:39 | WG1428016 |
| Total Xylenes U | J | | 0.00579 | 0.00787 | 1 | 02/14/2020 12:39 | WG1428016 |
| (S) Toluene-d8 104 | 04 | | | 75.0-131 | | 02/14/2020 12:39 | WG1428016 |
| (S) 4-Bromofluorobenzene 85. | 35.1 | | | 67.0-138 | | 02/14/2020 12:39 | WG1428016 |
| (S) 1,2-Dichloroethane-d4 104 | 04 | | | 70.0-130 | | 02/14/2020 12:39 | WG1428016 |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 2.82 | J | 1.95 | 4.84 | 1 | 02/16/2020 01:21 | <u>WG1428660</u> |
| C28-C40 Oil Range | 10.4 | | 0.332 | 4.84 | 1 | 02/16/2020 01:21 | <u>WG1428660</u> |
| (S) o-Terphenyl | 57.2 | | | 18.0-148 | | 02/16/2020 01:21 | WG1428660 |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 91.8 | | 1 | 02/14/2020 18:47 | WG1427903 | ЪС |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 60.8 | | 0.866 | 10.9 | 1 | 02/19/2020 20:31 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| TPH (GC/FID) Low Fraction | U | | 0.0237 | 0.109 | 1 | 02/14/2020 15:40 | WG1428117 | |
| (S) a,a,a-Trifluorotoluene(FID) | 97.8 | | | 77.0-120 | | 02/14/2020 15:40 | WG1428117 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000436 | 0.00109 | 1 | 02/14/2020 12:58 | WG1428016 |
| Toluene | U | | 0.00136 | 0.00545 | 1 | 02/14/2020 12:58 | WG1428016 |
| Ethylbenzene | U | | 0.000578 | 0.00272 | 1 | 02/14/2020 12:58 | WG1428016 |
| Total Xylenes | U | | 0.00521 | 0.00708 | 1 | 02/14/2020 12:58 | WG1428016 |
| (S) Toluene-d8 | 103 | | | 75.0-131 | | 02/14/2020 12:58 | WG1428016 |
| (S) 4-Bromofluorobenzene | 88.1 | | | 67.0-138 | | 02/14/2020 12:58 | WG1428016 |
| (S) 1,2-Dichloroethane-d4 | 107 | | | 70.0-130 | | 02/14/2020 12:58 | WG1428016 |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.75 | 4.36 | 1 | 02/16/2020 01:34 | WG1428660 |
| C28-C40 Oil Range | 3.61 | J | 0.299 | 4.36 | 1 | 02/16/2020 01:34 | WG1428660 |
| (S) o-Terphenyl | 67.2 | | | 18.0-148 | | 02/16/2020 01:34 | <u>WG1428660</u> |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 92.4 | | 1 | 02/14/2020 18:47 | WG1427903 | ЪС |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 50.4 | | 0.861 | 10.8 | 1 | 02/19/2020 20:41 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0235 | 0.108 | 1 | 02/14/2020 16:03 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.1 | | | 77.0-120 | | 02/14/2020 16:03 | WG1428117 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000433 | 0.00108 | 1 | 02/14/2020 13:17 | WG1428016 |
| Toluene | U | | 0.00135 | 0.00541 | 1 | 02/14/2020 13:17 | WG1428016 |
| Ethylbenzene | U | | 0.000574 | 0.00271 | 1 | 02/14/2020 13:17 | WG1428016 |
| Total Xylenes | U | | 0.00517 | 0.00704 | 1 | 02/14/2020 13:17 | WG1428016 |
| (S) Toluene-d8 | 104 | | | 75.0-131 | | 02/14/2020 13:17 | WG1428016 |
| (S) 4-Bromofluorobenzene | 83.9 | | | 67.0-138 | | 02/14/2020 13:17 | WG1428016 |
| (S) 1,2-Dichloroethane-d4 | 104 | | | 70.0-130 | | 02/14/2020 13:17 | WG1428016 |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.74 | 4.33 | 1 | 02/16/2020 09:40 | <u>WG1428660</u> |
| C28-C40 Oil Range | 0.444 | J | 0.297 | 4.33 | 1 | 02/16/2020 09:40 | <u>WG1428660</u> |
| (S) o-Terphenyl | 59.5 | | | 18.0-148 | | 02/16/2020 09:40 | WG1428660 |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 91.3 | | 1 | 02/14/2020 18:47 | WG1427903 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 44.3 | | 0.871 | 11.0 | 1 | 02/19/2020 20:50 | WG1429584 | |

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 | | 0.0238 | 0.110 | 1 | 02/14/2020 16:27 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.8 | | | 77.0-120 | | 02/14/2020 16:27 | <u>WG1428117</u> |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000438 | 0.00110 | 1 | 02/14/2020 13:36 | <u>WG1428016</u> |
| Toluene | U | | 0.00137 | 0.00548 | 1 | 02/14/2020 13:36 | <u>WG1428016</u> |
| Ethylbenzene | U | | 0.000580 | 0.00274 | 1 | 02/14/2020 13:36 | <u>WG1428016</u> |
| Total Xylenes | U | | 0.00524 | 0.00712 | 1 | 02/14/2020 13:36 | <u>WG1428016</u> |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 02/14/2020 13:36 | <u>WG1428016</u> |
| (S) 4-Bromofluorobenzene | 86.0 | | | 67.0-138 | | 02/14/2020 13:36 | <u>WG1428016</u> |
| (S) 1,2-Dichloroethane-d4 | 94.3 | | | 70.0-130 | | 02/14/2020 13:36 | WG1428016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.76 | 4.38 | 1 | 02/16/2020 02:01 | WG1428660 |
| C28-C40 Oil Range | U | | 0.300 | 4.38 | 1 | 02/16/2020 02:01 | WG1428660 |
| (S) o-Terphenyl | 56.9 | | | 18.0-148 | | 02/16/2020 02:01 | <u>WG1428660</u> |

SDG: L1189076

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 93.6 | | 1 | 02/14/2020 18:32 | WG1427904 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 31.8 | | 0.759 | 9.54 | .8928571 | 02/19/2020 21:00 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| TPH (GC/FID) Low Fraction | U | | 0.0232 | 0.107 | 1 | 02/14/2020 16:51 | WG1428117 | |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | | 77.0-120 | | 02/14/2020 16:51 | WG1428117 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000428 | 0.00107 | 1 | 02/14/2020 13:55 | <u>WG1428016</u> |
| Toluene | U | | 0.00134 | 0.00534 | 1 | 02/14/2020 13:55 | <u>WG1428016</u> |
| Ethylbenzene | U | | 0.000567 | 0.00267 | 1 | 02/14/2020 13:55 | WG1428016 |
| Total Xylenes | U | | 0.00511 | 0.00695 | 1 | 02/14/2020 13:55 | <u>WG1428016</u> |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 02/14/2020 13:55 | WG1428016 |
| (S) 4-Bromofluorobenzene | <i>86.2</i> | | | 67.0-138 | | 02/14/2020 13:55 | <u>WG1428016</u> |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 02/14/2020 13:55 | <u>WG1428016</u> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.72 | 4.28 | 1 | 02/16/2020 02:14 | WG1428660 |
| C28-C40 Oil Range | U | | 0.293 | 4.28 | 1 | 02/16/2020 02:14 | WG1428660 |
| (S) o-Terphenyl | 64.2 | | | 18.0-148 | | 02/16/2020 02:14 | WG1428660 |

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SAMPLE RESULTS - 27

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 97.0 | | 1 | 02/14/2020 18:32 | WG1427904 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 5.19 | ВJ | 0.820 | 10.3 | 1 | 02/19/2020 21:28 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0224 | 0.103 | 1 | 02/14/2020 17:15 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.4 | | | 77.0-120 | | 02/14/2020 17:15 | WG1428117 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000412 | 0.00103 | 1 | 02/14/2020 14:14 | <u>WG1428016</u> |
| Toluene | U | | 0.00129 | 0.00516 | 1 | 02/14/2020 14:14 | <u>WG1428016</u> |
| Ethylbenzene | U | | 0.000546 | 0.00258 | 1 | 02/14/2020 14:14 | WG1428016 |
| Total Xylenes | U | | 0.00493 | 0.00670 | 1 | 02/14/2020 14:14 | <u>WG1428016</u> |
| (S) Toluene-d8 | 98.6 | | | 75.0-131 | | 02/14/2020 14:14 | WG1428016 |
| (S) 4-Bromofluorobenzene | 85.1 | | | 67.0-138 | | 02/14/2020 14:14 | <u>WG1428016</u> |
| (S) 1,2-Dichloroethane-d4 | 96.1 | | | 70.0-130 | | 02/14/2020 14:14 | WG1428016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 2.07 | J | 1.66 | 4.12 | 1 | 02/16/2020 02:27 | <u>WG1428660</u> |
| C28-C40 Oil Range | 6.42 | | 0.283 | 4.12 | 1 | 02/16/2020 02:27 | <u>WG1428660</u> |
| (S) o-Terphenyl | 67.4 | | | 18.0-148 | | 02/16/2020 02:27 | <u>WG1428660</u> |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 83.2 | | 1 | 02/14/2020 18:32 | WG1427904 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 21.1 | В | 0.956 | 12.0 | 1 | 02/19/2020 21:38 | WG1429584 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0261 | 0.120 | 1 | 02/14/2020 17:54 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.7 | | | 77.0-120 | | 02/14/2020 17:54 | <u>WG1428117</u> |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000481 | 0.00120 | 1 | 02/14/2020 14:33 | <u>WG1428016</u> |
| Toluene | U | | 0.00150 | 0.00601 | 1 | 02/14/2020 14:33 | <u>WG1428016</u> |
| Ethylbenzene | U | | 0.000637 | 0.00301 | 1 | 02/14/2020 14:33 | WG1428016 |
| Total Xylenes | U | | 0.00575 | 0.00782 | 1 | 02/14/2020 14:33 | <u>WG1428016</u> |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 02/14/2020 14:33 | WG1428016 |
| (S) 4-Bromofluorobenzene | 84.7 | | | 67.0-138 | | 02/14/2020 14:33 | <u>WG1428016</u> |
| (S) 1,2-Dichloroethane-d4 | 95.8 | | | 70.0-130 | | 02/14/2020 14:33 | WG1428016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.94 | 4.81 | 1 | 02/16/2020 02:41 | WG1428660 |
| C28-C40 Oil Range | 3.51 | J | 0.329 | 4.81 | 1 | 02/16/2020 02:41 | WG1428660 |
| (S) o-Terphenyl | 54.7 | | | 18.0-148 | | 02/16/2020 02:41 | WG1428660 |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 91.5 | | 1 | 02/14/2020 18:32 | WG1427904 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 209 | | 0.868 | 10.9 | 1 | 02/19/2020 21:47 | WG1429584 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| TPH (GC/FID) Low Fraction | U | | 0.0237 | 0.109 | 1 | 02/14/2020 18:18 | WG1428117 | |
| (S) a,a,a-Trifluorotoluene(FID) | 98.4 | | | 77.0-120 | | 02/14/2020 18:18 | WG1428117 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000437 | 0.00109 | 1 | 02/14/2020 14:52 | WG1428016 |
| Toluene | U | | 0.00137 | 0.00546 | 1 | 02/14/2020 14:52 | WG1428016 |
| Ethylbenzene | U | | 0.000579 | 0.00273 | 1 | 02/14/2020 14:52 | WG1428016 |
| Total Xylenes | U | | 0.00522 | 0.00710 | 1 | 02/14/2020 14:52 | WG1428016 |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 02/14/2020 14:52 | WG1428016 |
| (S) 4-Bromofluorobenzene | 82.6 | | | 67.0-138 | | 02/14/2020 14:52 | WG1428016 |
| (S) 1,2-Dichloroethane-d4 | 95.5 | | | 70.0-130 | | 02/14/2020 14:52 | WG1428016 |

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.76 | 4.37 | 1 | 02/16/2020 09:01 | WG1428660 |
| C28-C40 Oil Range | 0.360 | J | 0.299 | 4.37 | 1 | 02/16/2020 09:01 | WG1428660 |
| (S) o-Terphenyl | 73.5 | | | 18.0-148 | | 02/16/2020 09:01 | <u>WG1428660</u> |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 92.3 | | 1 | 02/14/2020 18:32 | WG1427904 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 487 | | 0.862 | 10.8 | 1 | 02/19/2020 21:57 | WG1429584 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| TPH (GC/FID) Low Fraction | U | | 0.0235 | 0.108 | 1 | 02/14/2020 19:06 | WG1428117 | |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | | 77.0-120 | | 02/14/2020 19:06 | WG1428117 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000434 | 0.00108 | 1 | 02/14/2020 15:11 | <u>WG1428016</u> |
| Toluene | U | | 0.00135 | 0.00542 | 1 | 02/14/2020 15:11 | <u>WG1428016</u> |
| Ethylbenzene | U | | 0.000574 | 0.00271 | 1 | 02/14/2020 15:11 | <u>WG1428016</u> |
| Total Xylenes | U | | 0.00518 | 0.00704 | 1 | 02/14/2020 15:11 | <u>WG1428016</u> |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 02/14/2020 15:11 | <u>WG1428016</u> |
| (S) 4-Bromofluorobenzene | 82.8 | | | 67.0-138 | | 02/14/2020 15:11 | <u>WG1428016</u> |
| (S) 1,2-Dichloroethane-d4 | 109 | | | 70.0-130 | | 02/14/2020 15:11 | <u>WG1428016</u> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.74 | 4.34 | 1 | 02/16/2020 03:34 | WG1428660 |
| C28-C40 Oil Range | U | | 0.297 | 4.34 | 1 | 02/16/2020 03:34 | <u>WG1428660</u> |
| (S) o-Terphenyl | 55.9 | | | 18.0-148 | | 02/16/2020 03:34 | WG1428660 |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 80.0 | | 1 | 02/14/2020 18:32 | WG1427904 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 41.8 | | 0.994 | 12.5 | 1 | 02/19/2020 22:07 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0271 | 0.125 | 1 | 02/14/2020 19:30 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.8 | | | 77.0-120 | | 02/14/2020 19:30 | WG1428117 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000500 | 0.00125 | 1 | 02/14/2020 15:30 | <u>WG1428016</u> |
| Toluene | U | | 0.00156 | 0.00625 | 1 | 02/14/2020 15:30 | WG1428016 |
| Ethylbenzene | U | | 0.000662 | 0.00312 | 1 | 02/14/2020 15:30 | WG1428016 |
| Total Xylenes | U | | 0.00597 | 0.00812 | 1 | 02/14/2020 15:30 | <u>WG1428016</u> |
| (S) Toluene-d8 | 105 | | | 75.0-131 | | 02/14/2020 15:30 | WG1428016 |
| (S) 4-Bromofluorobenzene | 85.5 | | | 67.0-138 | | 02/14/2020 15:30 | <u>WG1428016</u> |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 | | 02/14/2020 15:30 | WG1428016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 2.01 | 5.00 | 1 | 02/16/2020 03:47 | <u>WG1428660</u> |
| C28-C40 Oil Range | 2.65 | J | 0.342 | 5.00 | 1 | 02/16/2020 03:47 | <u>WG1428660</u> |
| (S) o-Terphenyl | 54.9 | | | 18.0-148 | | 02/16/2020 03:47 | WG1428660 |

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SAMPLE RESULTS - 32 L1189076

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 92.3 | | 1 | 02/14/2020 18:32 | WG1427904 | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 22.1 | В | 0.862 | 10.8 | 1 | 02/19/2020 22:16 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| TPH (GC/FID) Low Fraction | U | | 0.0235 | 0.108 | 1 | 02/14/2020 19:54 | WG1428117 | |
| (S) a,a,a-Trifluorotoluene(FID) | 97.9 | | | 77.0-120 | | 02/14/2020 19:54 | WG1428117 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000434 | 0.00108 | 1 | 02/14/2020 15:49 | <u>WG1428016</u> |
| Toluene | U | | 0.00135 | 0.00542 | 1 | 02/14/2020 15:49 | <u>WG1428016</u> |
| Ethylbenzene | U | | 0.000574 | 0.00271 | 1 | 02/14/2020 15:49 | WG1428016 |
| Total Xylenes | U | | 0.00518 | 0.00704 | 1 | 02/14/2020 15:49 | WG1428016 |
| (S) Toluene-d8 | 106 | | | 75.0-131 | | 02/14/2020 15:49 | WG1428016 |
| (S) 4-Bromofluorobenzene | 80.7 | | | 67.0-138 | | 02/14/2020 15:49 | WG1428016 |
| (S) 1,2-Dichloroethane-d4 | 108 | | | 70.0-130 | | 02/14/2020 15:49 | WG1428016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.74 | 4.34 | 1 | 02/17/2020 15:08 | WG1428883 |
| C28-C40 Oil Range | 1.71 | ВJ | 0.297 | 4.34 | 1 | 02/17/2020 15:08 | WG1428883 |
| (S) o-Terphenyl | 62.7 | | | 18.0-148 | | 02/17/2020 15:08 | WG1428883 |

SDG: L1189076

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SAMPLE RESULTS - 33

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Total Solids by Method 2540 G-2011

| | Resi | lt Qualifi | er Dilution | Analysis | Batch | Ср |
|--------------|------|------------|-------------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 89.7 | | 1 | 02/14/2020 18:32 | WG1427904 | ЪТ |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 22.3 | B | 0.887 | 11.2 | 1 | 02/19/2020 22:45 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0242 | 0.112 | 1 | 02/14/2020 20:18 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.9 | | | 77.0-120 | | 02/14/2020 20:18 | WG1428117 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000446 | 0.00112 | 1 | 02/14/2020 16:08 | <u>WG1428016</u> |
| Toluene | U | | 0.00139 | 0.00558 | 1 | 02/14/2020 16:08 | <u>WG1428016</u> |
| Ethylbenzene | U | | 0.000591 | 0.00279 | 1 | 02/14/2020 16:08 | WG1428016 |
| Total Xylenes | U | | 0.00533 | 0.00725 | 1 | 02/14/2020 16:08 | <u>WG1428016</u> |
| (S) Toluene-d8 | 97.6 | | | 75.0-131 | | 02/14/2020 16:08 | <u>WG1428016</u> |
| (S) 4-Bromofluorobenzene | 83.0 | | | 67.0-138 | | 02/14/2020 16:08 | <u>WG1428016</u> |
| (S) 1,2-Dichloroethane-d4 | 107 | | | 70.0-130 | | 02/14/2020 16:08 | WG1428016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.80 | 4.46 | 1 | 02/17/2020 15:20 | <u>WG1428883</u> |
| C28-C40 Oil Range | 1.80 | ВJ | 0.306 | 4.46 | 1 | 02/17/2020 15:20 | <u>WG1428883</u> |
| (S) o-Terphenyl | 63.8 | | | 18.0-148 | | 02/17/2020 15:20 | WG1428883 |

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 91.5 | | 1 | 02/14/2020 18:32 | WG1427904 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 28.6 | В | 0.869 | 10.9 | 1 | 02/19/2020 22:54 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0237 | 0.109 | 1 | 02/14/2020 20:42 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8 | | | 77.0-120 | | 02/14/2020 20:42 | <u>WG1428117</u> |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000437 | 0.00109 | 1 | 02/14/2020 16:27 | <u>WG1428016</u> |
| Toluene | U | | 0.00137 | 0.00546 | 1 | 02/14/2020 16:27 | WG1428016 |
| Ethylbenzene | U | | 0.000579 | 0.00273 | 1 | 02/14/2020 16:27 | WG1428016 |
| Total Xylenes | U | | 0.00522 | 0.00710 | 1 | 02/14/2020 16:27 | WG1428016 |
| (S) Toluene-d8 | 97.5 | | | 75.0-131 | | 02/14/2020 16:27 | WG1428016 |
| (S) 4-Bromofluorobenzene | 79.2 | | | 67.0-138 | | 02/14/2020 16:27 | <u>WG1428016</u> |
| (S) 1,2-Dichloroethane-d4 | 109 | | | 70.0-130 | | 02/14/2020 16:27 | WG1428016 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.76 | 4.37 | 1 | 02/17/2020 15:33 | WG1428883 |
| C28-C40 Oil Range | 0.939 | ВJ | 0.299 | 4.37 | 1 | 02/17/2020 15:33 | WG1428883 |
| (S) o-Terphenyl | 62.3 | | | 18.0-148 | | 02/17/2020 15:33 | WG1428883 |

SDG: L1189076

Received by OCP: 4/6/2020 12:21:17 PM Collected date/time: 02/07/20 13:00

SAMPLE RESULTS - 35

ONE LAB. NATRAGE 71 of 209

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 96.4 | | 1 | 02/14/2020 18:32 | WG1427904 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 10.1 | ВJ | 0.824 | 10.4 | 1 | 02/19/2020 23:23 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0225 | 0.104 | 1 | 02/14/2020 21:58 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 99.3 | | | 77.0-120 | | 02/14/2020 21:58 | WG1428117 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000415 | 0.00104 | 1 | 02/14/2020 15:07 | <u>WG1428051</u> |
| Toluene | U | | 0.00130 | 0.00519 | 1 | 02/14/2020 15:07 | <u>WG1428051</u> |
| Ethylbenzene | U | | 0.000550 | 0.00259 | 1 | 02/14/2020 15:07 | <u>WG1428051</u> |
| Total Xylenes | U | | 0.00496 | 0.00674 | 1 | 02/14/2020 15:07 | <u>WG1428051</u> |
| (S) Toluene-d8 | 108 | | | 75.0-131 | | 02/14/2020 15:07 | <u>WG1428051</u> |
| (S) 4-Bromofluorobenzene | 107 | | | 67.0-138 | | 02/14/2020 15:07 | <u>WG1428051</u> |
| (S) 1,2-Dichloroethane-d4 | 96.1 | | | 70.0-130 | | 02/14/2020 15:07 | WG1428051 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 2.54 | J | 1.67 | 4.15 | 1 | 02/17/2020 17:15 | WG1428883 |
| C28-C40 Oil Range | 12.7 | | 0.284 | 4.15 | 1 | 02/17/2020 17:15 | WG1428883 |
| (S) o-Terphenyl | 62.7 | | | 18.0-148 | | 02/17/2020 17:15 | WG1428883 |

SDG: L1189076

Received by OSP: 4/6/2020 12:21:17 PM Collected date/time: 02/07/20 13:05

SAMPLE RESULTS - 36

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | | Ср |
|--------------|--------|-----------|----------|------------------|-----------|---|----|
| Analyte | % | | | date / time | | 2 | |
| Total Solids | 88.4 | | 1 | 02/19/2020 09:41 | WG1427905 | | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 5.67 | ВJ | 0.900 | 11.3 | 1 | 02/19/2020 23:32 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0246 | 0.113 | 1 | 02/14/2020 22:22 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 97.7 | | | 77.0-120 | | 02/14/2020 22:22 | <u>WG1428117</u> |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000453 | 0.00113 | 1 | 02/14/2020 15:27 | <u>WG1428051</u> |
| Toluene | U | | 0.00141 | 0.00566 | 1 | 02/14/2020 15:27 | <u>WG1428051</u> |
| Ethylbenzene | U | | 0.000600 | 0.00283 | 1 | 02/14/2020 15:27 | WG1428051 |
| Total Xylenes | U | | 0.00541 | 0.00735 | 1 | 02/14/2020 15:27 | <u>WG1428051</u> |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 02/14/2020 15:27 | WG1428051 |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 | | 02/14/2020 15:27 | <u>WG1428051</u> |
| (S) 1,2-Dichloroethane-d4 | 98.3 | | | 70.0-130 | | 02/14/2020 15:27 | <u>WG1428051</u> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | 2.30 | J | 1.82 | 4.53 | 1 | 02/17/2020 16:49 | <u>WG1428883</u> |
| C28-C40 Oil Range | 9.65 | | 0.310 | 4.53 | 1 | 02/17/2020 16:49 | <u>WG1428883</u> |
| (S) o-Terphenyl | 65.5 | | | 18.0-148 | | 02/17/2020 16:49 | WG1428883 |

SDG: L1189076

SAMPLE RESULTS - 37

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|----|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 80.1 | | 1 | 02/19/2020 09:41 | WG1427905 | Tc |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Chloride | 124 | | 0.992 | 12.5 | 1 | 02/19/2020 23:42 | WG1429584 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | 6 |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|---|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | 0 |
| TPH (GC/FID) Low Fraction | U | | 0.0271 | 0.125 | 1 | 02/14/2020 22:46 | WG1428117 | |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8 | | | 77.0-120 | | 02/14/2020 22:46 | WG1428117 | 7 |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000499 | 0.00125 | 1 | 02/14/2020 15:47 | <u>WG1428051</u> |
| Toluene | U | | 0.00156 | 0.00624 | 1 | 02/14/2020 15:47 | <u>WG1428051</u> |
| Ethylbenzene | U | | 0.000661 | 0.00312 | 1 | 02/14/2020 15:47 | WG1428051 |
| Total Xylenes | U | | 0.00597 | 0.00811 | 1 | 02/14/2020 15:47 | <u>WG1428051</u> |
| (S) Toluene-d8 | 107 | | | 75.0-131 | | 02/14/2020 15:47 | WG1428051 |
| (S) 4-Bromofluorobenzene | 106 | | | 67.0-138 | | 02/14/2020 15:47 | <u>WG1428051</u> |
| (S) 1,2-Dichloroethane-d4 | 95.6 | | | 70.0-130 | | 02/14/2020 15:47 | <u>WG1428051</u> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 2.01 | 4.99 | 1 | 02/17/2020 15:46 | WG1428883 |
| C28-C40 Oil Range | 0.686 | B J | 0.342 | 4.99 | 1 | 02/17/2020 15:46 | <u>WG1428883</u> |
| (S) o-Terphenyl | 36.9 | | | 18.0-148 | | 02/17/2020 15:46 | WG1428883 |

SDG: L1189076 DATE/TIME: 02/24/20 17:09

SAMPLE RESULTS - 38

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Total Solids by Method 2540 G-2011

| | Result | Qualifier | Dilution | Analysis | Batch | Ср |
|--------------|--------|-----------|----------|------------------|-----------|--------|
| Analyte | % | | | date / time | | 2 |
| Total Solids | 81.9 | | 1 | 02/19/2020 09:41 | WG1427905 | Тс |

Wet Chemistry by Method 300.0

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch | |
|----------|--------------|-----------|-----------|-----------|----------|------------------|-----------|--|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | | |
| Chloride | 187 | | 0.971 | 12.2 | 1 | 02/19/2020 23:51 | WG1429584 | |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|------------------------------------|--------------|-----------|-----------|-----------|----------|------------------|------------------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| TPH (GC/FID) Low Fraction | U | | 0.0265 | 0.122 | 1 | 02/14/2020 23:10 | WG1428117 |
| (S) a,a,a-Trifluorotoluene(FID) | 98.7 | | | 77.0-120 | | 02/14/2020 23:10 | <u>WG1428117</u> |

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

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| Benzene | U | | 0.000488 | 0.00122 | 1 | 02/14/2020 16:07 | WG1428051 |
| Toluene | U | | 0.00153 | 0.00611 | 1 | 02/14/2020 16:07 | WG1428051 |
| Ethylbenzene | U | | 0.000647 | 0.00305 | 1 | 02/14/2020 16:07 | WG1428051 |
| Total Xylenes | U | | 0.00584 | 0.00794 | 1 | 02/14/2020 16:07 | WG1428051 |
| (S) Toluene-d8 | 109 | | | 75.0-131 | | 02/14/2020 16:07 | WG1428051 |
| (S) 4-Bromofluorobenzene | 107 | | | 67.0-138 | | 02/14/2020 16:07 | WG1428051 |
| (S) 1,2-Dichloroethane-d4 | 94.9 | | | 70.0-130 | | 02/14/2020 16:07 | WG1428051 |

Semi-Volatile Organic Compounds (GC) by Method 8015

| | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis | Batch |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|-----------|
| Analyte | mg/kg | | mg/kg | mg/kg | | date / time | |
| C10-C28 Diesel Range | U | | 1.97 | 4.88 | 1 | 02/17/2020 15:59 | WG1428883 |
| C28-C40 Oil Range | 1.27 | ВJ | 0.335 | 4.88 | 1 | 02/17/2020 15:59 | WG1428883 |
| (S) o-Terphenyl | 51.1 | | | 18.0-148 | | 02/17/2020 15:59 | WG1428883 |

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Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

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| MB) R3500505-1 (| 02/14/20 22:57 | | | |
|------------------|-------------------------------|------------------|--------|-------|
| | MB Result MB Qua | ifier MB MDL | MB RDL | 2 |
| Analyte | % | % | % | 2_ |
| otal Solids | 0.00500 | | | |
| | | | | 3 |
| _1189074-05 (| Original Sample (OS) • | Duplicate (Dl | | 4 |
| 0011100074.05 | 02/14/20 22:57 • (DUP) R3500! | 505 3 02/14/20 2 | | [[] |

L1189074-05 Original Sample (OS) • Duplicate (DUP)

| (LCS) R3500505-2 02/ | 14/20 22:57 | | | | | | |
|----------------------|--------------|------------|----------|-------------|---------------|--|--|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | | |
| Analyte | % | % | % | % | | | |
| Total Solids | 50.0 | 49.9 | 99.9 | 85.0-115 | | | |
| | | | | | | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 51 of 75 |
| | | | | |

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Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY <u>L1189076-06,07,08,09,10,11,12,13,14,15</u>

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| Method Blank | (IVIB) | | | | |
|-----------------|----------------|--------------|--------|--------|--|
| (MB) R3500069-1 | 02/14/20 19:03 | | | | |
| | MB Result | MB Qualifier | MB MDL | MB RDL | |
| Analyte | % | | % | % | |
| Total Solids | 0.00300 | | | | |

L1189076-12 Original Sample (OS) • Duplicate (DUP)

| Total Solids | 0.00300 | | | | | |
|------------------|------------------------|------------|------------|--------------|---------------|-------------------|
| | | | | | | |
| 11189076-12 C |) Priginal Sample (| (OS) • Dur | olicate (' | | | |
| | 02/14/20 19:03 • (DUP) | | | , | | |
| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
| Analyte | % | % | | % | | % |
| Total Solids | 84.4 | 84.3 | 1 | 0.0255 | | 10 |
| | ontrol Sample (LC | CS) | | | | |
| (LCS) R3500069-2 | | | | | | |
| | Spike Amount | LCS Result | LCS Rec. | c. Rec. Limi | nits LCS Qua | lifier |

| (LCS) R3500069-2 (| 02/14/20 19:03 | | | | |
|--------------------|----------------|------------|----------|-------------|---------------|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
| Analyte | % | % | % | % | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | |
| | | | | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 52 of 75 |
| | | | | |

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Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY <u>L1189076-16,17,18,19,20,21,22,23,24,25</u>

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| (MB) R3500068-1 | 02/14/20 18:47 | | | |
|-----------------|----------------------|------------------------------------|--------|---|
| | MB Result MB Q | ualifier MB MDL | MB RDL | 2 |
| Analyte | % | % | % | 2 |
| Total Solids | 0.00300 | | | |
| | | | | 3 |
| | | - | _ | L |
| L1189076-22 (| Original Sample (OS) | Duplicate (DL) | P) | 4 |

L1189076-22 Original Sample (OS) • Duplicate (DUP)

| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits | |
|----------------|-----------------|------------|----------|---------|---------------|-------------------|--|
| Analyte | % | % | | % | | % | |
| Total Solids | 82.6 | 81.8 | 1 | 0.912 | | 10 | |
| Laboratory Con | trol Sample (L(| CS) | | | | | |

| Spike Amount LCS Result LCS Rec. Imits LCS Qualifier Analyte % % % Total Solids 50.0 50.0 99.9 85.0-115 | (LCS) R3500068-2 0 |
|---|--------------------|
| % % % | |
| atal Salide 50.0 50.0 90.0 95.0.115 | nalyte |
| Juli Solida S | otal Solids |
| | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 53 of 75 |
| | | | | |

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Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY <u>11189076-26,27,28,29,30,31,32,33,34,35</u>

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| Method Blank | | | | | |
|----------------------------|----------------|--------------|--------|--------|--|
| (MB) R3500067 - 1 (| 02/14/20 18:32 | | | | |
| | MB Result | MB Qualifier | MB MDL | MB RDL | |
| Analyte | % | | % | % | |
| Total Solids | 0.00700 | | | | |

L1189076-34 Original Sample (OS) • Duplicate (DUP)

| Analyte | /0 | | /0 | /0 | | | | | |
|-------------------|-----------------------|------------|------------|---------|---------------|-------------------|--|--|--|
| otal Solids | 0.00700 | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |
| _1189076-34 0 | riginal Sample | (OS) • Du | plicate (| DUP) | | | | | |
| OS) L1189076-34 0 | 2/14/20 18:32 • (DUP) | R3500067-3 | 3 02/14/20 | 18:32 | | | | | |
| | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits | | | |
| Analyte | % | % | | % | | % | | | |
| Total Solids | 91.5 | 91.6 | 1 | 0.124 | | 10 | | | |
| | | | | | | | | | |
| | | | | | | | | | |

| | ntrol Sample (Lo | -5) | | | | |
|-------------------------|------------------|------------|----------|-------------|---------------|--|
| CS) R3500067 - 2 | | | | | | |
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | |
| Analyte | % | % | % | % | | |
| otal Solids | 50.0 | 50.0 | 100 | 85.0-115 | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 54 of 75 |
| | | | | |

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Total Solids by Method 2540 G-2011

QUALITY CONTROL SUMMARY

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| (MB) R3501326-1 0 | 2/19/20 09:41 | | | |
|-------------------|-----------------------|-----------|--------|---|
| | MB Result MB Qualifie | er MB MDL | MB RDL | - |
| Analyte | % | % | % | 2 |
| Total Solids | 0.000 | | | |
| | | | | з |
| | | | | |

L1189086-01 Original Sample (OS) • Duplicate (DUP)

| Original Result DUP Result DUP RPD DUP Qualifier DUP RPD limits Analyte % % % Total Solids 94.8 95.4 1 0.704 10 |
|--|
| |
| Total Solids 94.9 95.4 1 0.70.4 10 |
| |

| _CS) R3501326-2 | ntrol Sample (L | 00) | | | | |
|------------------|-----------------|------------|----------|-------------|---------------|--|
| (LC3) K3501520-2 | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | |
| alyte | % | % | % | % | | |
| Total Solids | 50.0 | 50.0 | 100 | 85.0-115 | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 55 of 75 |
| | | | | |

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Wet Chemistry by Method 300.0

QUALITY CONTROL SUMMARY L1189076-01.02.03.04.05.06.07.08.09.10.11.12.13.14.15.16.17.18.19

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| wet chemistry i | y wethou soolo | | | <u></u> | 5070-01,02,0 | 5,04,05,00,07,00,05,10,11,12,15,14,15,10,17,10,15 | |
|------------------|--------------------------|-----------------------|------------|---------|---------------|---|---------------------|
| Method Blank | (MB) | | | | | | 100 |
| (MB) R3500942-1 | 02/18/20 14:51 | | - | | | | Ср |
| | MB Result | MB Qualifier | MB MDL | MB RDL | | | 2 |
| Analyte | mg/kg | | mg/kg | mg/kg | | | Tc |
| Chloride | 2.83 | J | 0.795 | 10.0 | | | |
| | | | | | | | ³ Ss |
| 14400070.00 | <u></u> | | 1 <i></i> | | | | |
| | Original Sample | | | | | | ⁴ Cn |
| (OS) L1189076-03 | 02/18/20 16:05 • (DUP | | ; 02/18/20 | 16:14 | | | Cir |
| | Original Result (dry) | t DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits | ⁵ Sr |
| Analyte | mg/kg | mg/kg | | % | | % | 51 |
| Chloride | 78.4 | 71.8 | 1 | 8.73 | | 20 | 6 |
| | | | | | | | ်ဴQc |
| 1 4400070 40 (| Deterinal Cample / | | Lasta /E | מדיר | | | 7 |
| | Driginal Sample (| V F | | , | | | GI |
| (OS) L1189076-18 | 02/18/20 19:34 • (DUP) | R3500942 - 6 | 02/18/20 | 19:44 | | | |
| | Original Result (dry) | t DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits | ⁸ AI |
| Analyte | mg/kg | mg/kg | | % | | % | |
| Chloride | 38.1 | 40.9 | 1 | 7.10 | | 20 | Sc |
| | | | | | | | 00 |

L1189076-03 Original Sample (OS) • Duplicate (DUP)

| (OS) L1189076-03 02/18/20 |) 16:05 • (DUP) | R3500942-3 | 02/18/20 |) 16:14 | | |
|---------------------------|--------------------------|---------------------|----------|---------|---------------|-------------------|
| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | 78.4 | 71.8 | 1 | 8.73 | | 20 |

L1189076-18 Original Sample (OS) • Duplicate (DUP)

| (OS) L1189076-18 (| 02/18/20 19:34 • (DUP) | R3500942 - 6 | 02/18/20 | 19:44 | | | | |
|--------------------|--------------------------|---------------------|----------|---------|---------------|-------------------|--|--|
| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits | | |
| Analyte | mg/kg | mg/kg | | % | | % | | |
| Chloride | 38.1 | 40.9 | 1 | 7.10 | | 20 | | |

Laboratory Control Sample (LCS)

| (LCS) R3500942-2 02/18 | 8/20 15:00 | | | | |
|------------------------|--------------|------------|----------|-------------|---------------|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
| Analyte | mg/kg | mg/kg | % | % | |
| Chloride | 200 | 190 | 95.2 | 90.0-110 | |

L1189076-11 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| (OS) L1189076-11 02/18/20 | (OS) L189076-11 02/18/20 17:50 • (MS) R3500942-4 02/18/20 17:59 • (MSD) R3500942-5 02/18/20 18:09 | | | | | | | | | | | |
|---------------------------|---|--------------------------|-----------------|------------------------------|---------|----------|----------|-------------------|--------------|---------------|------|------------|
| | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Resu l t (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 | 580 | 65.6 | 632 | 625 | 97.6 | 96.3 | 1 | 80.0 - 120 | | | 1.15 | 20 |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 56 of 75 |

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Wet Chemistry by Method 300.0

QUALITY CONTROL SUMMARY 1189076-20,21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38

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| wet chemistry c | by Method 300.0 | | | <u></u> | 070-20,21,22, | 2,23,24,23,20,27,20,27,20,31,32,33,34,33,30,37,38 | |
|--------------------|--------------------------|------------------------|------------|---------|---------------|---|-----------------|
| Method Blank | < (MB) | | | | | | 1 00 |
| (MB) R3501308-1 (| J2/19/20 18:59 | | | | | | Ср |
| | MB Result | MB Qualifier | MB MDL | MB RDL | | | 2 |
| Analyte | mg/kg | | mg/kg | mg/kg | | | [*] Tc |
| Chloride | 3.14 | J | 0.795 | 10.0 | | | |
| | | | | | | | ³ Ss |
| 11120076 20 | Original Sample | | alicato / | (חווס) | | | |
| | Original Sample | | | | | | |
| (OS) L1189076-20 | 02/19/20 19:54 • (DUP | | 02/19/20 | 20:03 | | | |
| | Original Result (dry) | It DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD – Limits | ⁵ Sr |
| Analyte | mg/kg | mg/kg | | % | | % | 51 |
| Chloride | 562 | 582 | 1 | 3.40 | | 20 | 6 |
| | | | | | | | ်ီQc |
| 4400047.01(| O tette - I Comple | | Viento // | | | | 7 |
| | Original Sample | | | | | | GI |
| (OS) L1190047-01 (| 02/20/20 00:01 · (DUF | P) R3501308-6 | , 02/20/20 | J 00:10 | | | |
| | Original Result (dry) | It DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits | ⁸ AI |
| Analyte | mg/kg | mg/kg | | % | | % | |
| Chloride | 223 | 234 | 1 | 4.81 | | 20 | ຶSc |
| | | | | | | | |

L1189076-20 Original Sample (OS) • Duplicate (DUP)

| (OS) L1189076-20 02 | 2/19/20 19:54 • (DUP) | R3501308-3 | 02/19/20 | 20:03 | | |
|---------------------|--------------------------|---------------------|----------|---------|---------------|-------------------|
| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
| Analyte | mg/kg | mg/kg | | % | | % |
| Chloride | 562 | 582 | 1 | 3.40 | | 20 |

L1190047-01 Original Sample (OS) • Duplicate (DUP)

| (OS) L1190047-01 | 02/20/20 00:01 • (DUP |) R3501308-6 | 02/20/20 | 00:10 | | | |
|------------------|--------------------------|---------------------|----------|---------|---------------|-----------------|--|
| | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | UP RPD imits | |
| Analyte | mg/kg | mg/kg | | % | | | |
| Chloride | 223 | 234 | 1 | 4.81 | | 0 | |

Laboratory Control Sample (LCS)

| (LCS) R3501308-2 02/19 | (LCS) R3501308-2 02/19/20 19:09 | | | | | | | | |
|------------------------|---------------------------------|------------|----------|-------------|---------------|--|--|--|--|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | | | | |
| Analyte | mg/kg | mg/kg | % | % | | | | | |
| Chloride | 200 | 193 | 96.4 | 90.0-110 | | | | | |

L1189076-32 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| (OS) L1189076-32 02/19/20 | (OS) L189076-32 02/19/20 22:16 • (MS) R3501308-4 02/19/20 22:26 • (MSD) R3501308-5 02/19/20 22:35 | | | | | | | | | | | |
|---------------------------|---|--------------------------|-----------------|------------------------------|---------|----------|----------|-------------------|--------------|---------------|------|------------|
| | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Resu l t (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 | 542 | 22.1 | 530 | 535 | 93.7 | 94.7 | 1 | 80.0 - 120 | | | 1.03 | 20 |

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|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 57 of 75 |

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QUALITY CONTROL SUMMARY

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

| Method Blank (MB | 3) | | | | | | | | | | | | 1 |
|------------------------------------|--------------|-------------------|-------------------|-------------------|---------------|----------|----------|---------|--------------|---------------|------|------------|------------------|
| (MB) R3500264-3 02/14/ | 1 | | | | | | | | | | | | - ['C |
| . , | MB Result | MB Qualifier | MB MDL | MB RDL | | | | | | | | | 2 |
| Analyte | mg/kg | | mg/kg | mg/kg | | | | | | | | | _ ² T |
| TPH (GC/FID) Low Fraction | 0.0235 | J | 0.0217 | 0.100 | | | | | | | | | |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9 | | | 77.0-120 | | | | | | | | | 35 |
| | | | | | | | | | | | | | 4 |
| Laboratory Contro | J Sample (L | .CS) | | | | | | | | | | | Ľ |
| (LCS) R3500264-2 02/14 | 4/20 10:30 | | | | | | | | | | | | 5 |
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | | | | | | | | Ľ |
| Analyte | mg/kg | mg/kg | % | % | | | | | | | | | 6 |
| TPH (GC/FID) Low Fraction | 5.50 | 5.64 | 103 | 72.0 - 127 | | | | | | | | | ິ(|
| (S) a,a,a-Trifluorotoluene(FID) | | | 111 | 77.0-120 | | | | | | | | | 7 |
| | | | | | | | | | | | | | ľ |
| 14000070-01-0 | | | · • • • • • • • • | | | 1 | | | | | | | 8 |
| L1188679-01 Origin | | | | . , | | , | D) | | | | | | _ |
| (OS) L1188679-01 02/14/2 | | | | | | | | | | | | | |
| | Spike Amount | : Original Result | . MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | | MS Qualifier | MSD Qualifier | | RPD Limits | 9 |
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % | _ L |
| | | | | | 00.0 | 00.1 | 05 | 40.0454 | | | 40 E | 20 | |

Laboratory Control Sample (LCS)

| (LCS) R3500264-2 02/14 | /20 10:30 | | | | |
|------------------------------------|--------------|------------|----------|-------------------|---------------|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
| Analyte | mg/kg | mg/kg | % | % | |
| TPH (GC/FID) Low Fraction | 5.50 | 5.64 | 103 | 72.0 - 127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 111 | 77.0-120 | |

L1188679-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| (OS) L1188679-01 02/14/20 | 0 12:03 • (MS) R | 3500264-4 02 | 2/14/20 18:56 • | (MSD) R35002 | 264-5 02/14/20 | 0 19:17 | | | | | | | |
|------------------------------------|------------------|-----------------|-----------------|--------------|----------------|----------|----------|-------------------|--------------|---------------|------|------------|-----|
| | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits | 950 |
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % | |
| TPH (GC/FID) Low Fraction | 112 | ND | 99.9 | 111 | 89.2 | 99.1 | 25 | 10.0 - 151 | | | 10.5 | 28 | |
| (S) a.a.a-Trifluorotoluene(EID) | | | | | 110 | 113 | | 77.0-120 | | | | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 58 of 75 |
| | | | | |

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

QUALITY CONTROL SUMMARY L1189076-02,03,04,05,06,08,09,10,11,12,13,14,15,16,17,18,19,20

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Ss

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| | Method Blank (MB) | | | | | | | | | | | |
|--------------------------------|------------------------------------|-----------|--------------|--------|----------|--|--|--|--|--|--|--|
| (MB) R3500522-2 02/14/20 10:51 | | | | | | | | | | | | |
| | | MB Result | MB Qualifier | MB MDL | MB RDL | | | | | | | |
| | Analyte | mg/kg | | mg/kg | mg/kg | | | | | | | |
| | TPH (GC/FID) Low Fraction | 0.0390 | J | 0.0217 | 0.100 | | | | | | | |
| | (S) a,a,a-Trifluorotoluene(FID) | 91.5 | | | 77.0-120 | | | | | | | |

Laboratory Control Sample (LCS)

| (LCS) R3500522-1 02/14 | /20 10:10 | | | | | 5 |
|------------------------------------|--------------|------------|----------|-------------------|---------------|---|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | |
| Analyte | mg/kg | mg/kg | % | % | | |
| TPH (GC/FID) Low Fraction | 5.50 | 4.69 | 85.3 | 72.0 - 127 | | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 96.1 | 77.0-120 | | F |

L1189162-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| (OS) L1189162-01 02/14/2 | 0 12:03 • (MS) R | 3500522 - 3 0 | 2/14/20 19:15 | • (MSD) R35005 | 522 - 4 02/14/2 | 20 19:36 | | | | | | | |
|------------------------------------|------------------|----------------------|---------------|----------------|------------------------|----------|----------|-------------------|--------------|---------------|-----|------------|-----------------|
| | Spike Amount | Original Result | MS Result | MSD Result | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD | RPD Limits | ⁹ Sc |
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % | 50 |
| TPH (GC/FID) Low Fraction | 27500 | 1800 | 5060 | 28300 | 11.9 | 96.4 | 5000 | 10.0 - 151 | | <u>J3</u> | 139 | 28 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | | | 85.8 | 99.9 | | 77.0-120 | | | | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 59 of 75 |
| | | | | |

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

QUALITY CONTROL SUMMARY L1189076-21,22,23,24,25,26,27,28,29,30,31,32,33,34,35,36,37,38

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| Method Blank (MB) | | | | | | | | | |
|------------------------------------|-----------|--------------|--------|----------|--|--|--|--|--|
| (MB) R3500698-2 02/14/20 13:21 | | | | | | | | | |
| | MB Result | MB Qualifier | MB MDL | MB RDL | | | | | |
| Analyte | mg/kg | | mg/kg | mg/kg | | | | | |
| TPH (GC/FID) Low Fraction | U | | 0.0217 | 0.100 | | | | | |
| (S) a,a,a-Trifluorotoluene(FID) | 100 | | | 77.0-120 | | | | | |

| (LCS) R3500698-1 02/14 | /20 12:33 | | | | |
|------------------------------------|--------------|------------|----------|-------------------|---------------|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
| Analyte | mg/kg | mg/kg | % | % | |
| TPH (GC/FID) Low Fraction | 5.50 | 5.71 | 104 | 72.0 - 127 | |
| (S) a,a,a-Trifluorotoluene(FID) | | | 106 | 77.0-120 | |
| | | | | | |
| | | | | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 60 of 75 |
| | | | | |

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

QUALITY CONTROL SUMMARY

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| (LCS) R3500795-1 02/18/ | /20 10:00 | | | | | 5 |
|------------------------------------|--------------|------------|----------|-------------------|---------------|----|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | |
| Analyte | mg/kg | mg/kg | % | % | | 6 |
| TPH (GC/FID) Low Fraction | 5.50 | 5.90 | 107 | 72.0 - 127 | | Ь |
| (S) a,a,a-Trifluorotoluene(FID) | | | 105 | 77.0-120 | | 7 |
| | | | | | | Ĺ. |
| | | | | | | 8 |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 61 of 75 |
| | | | | |
| | | | | |

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

QUALITY CONTROL SUMMARY

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Method Blank (MB)

| (MB) R3500711-2 02/14/20 | 0 10:36 | | | |
|---------------------------|-----------|--------------|----------|----------|
| | MB Result | MB Qualifier | MB MDL | MB RDL |
| Analyte | mg/kg | | mg/kg | 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 | 89.6 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 101 | | | 70.0-130 |

Laboratory Control Sample (LCS)

| (LCS) R3500711-1 02/14/20 | CS) R3500711-1 02/14/20 09:39 | | | | | | | |
|---------------------------|-------------------------------|------------|----------|-------------------|---------------|--|--|--|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | | | |
| Analyte | mg/kg | mg/kg | % | % | | | | |
| Benzene | 0.125 | 0.106 | 84.8 | 70.0 - 123 | | | | |
| Ethylbenzene | 0.125 | 0.108 | 86.4 | 74.0-126 | | | | |
| Toluene | 0.125 | 0.122 | 97.6 | 75.0-121 | | | | |
| Xylenes, Total | 0.375 | 0.349 | 93.1 | 72.0-127 | | | | |
| (S) Toluene-d8 | | | 102 | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | 95.5 | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | 106 | 70.0-130 | | | | |

L1189076-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| | DS) L1189076-20 02/14/20 17:57 • (MS) R3500711-3 02/14/20 18:16 • (MSD) R3500711-4 02/14/20 18:35 | | | | | | | | | | | |
|---------------------------|---|--------------------------|-----------------|---------------------|---------|----------|----------|-------------------|--------------|---------------|------|------------|
| | 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 | % | % | | % | | | % | % |
| Benzene | 0.139 | U | 0.114 | 0.130 | 82.4 | 93.6 | 1 | 10.0 - 149 | | | 12.7 | 37 |
| Ethylbenzene | 0.139 | U | 0.111 | 0.127 | 80.0 | 91.2 | 1 | 10.0-160 | | | 13.1 | 38 |
| Toluene | 0.139 | U | 0.133 | 0.151 | 96.0 | 109 | 1 | 10.0-156 | | | 12.5 | 38 |
| Xylenes, Total | 0.416 | U | 0.345 | 0.384 | 82.9 | 92.3 | 1 | 10.0 - 160 | | | 10.7 | 38 |
| (S) Toluene-d8 | | | | | 101 | 103 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 86.6 | 85.6 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 100 | 102 | | 70.0-130 | | | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: | |
|-----------------------------|---------------|----------|----------------|----------|--|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 62 of 75 | |

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Regering 4 by 860: 3/6/2020 12:21:17 РМ

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

QUALITY CONTROL SUMMARY <u>L1189076-21,22,23,24,25,26,27,28,29,30,31,32,33,34</u>

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Tc

Ss

⁴Cn

⁵Sr

Method Blank (MB)

| (MB) R3500277-2 02/14/2 | 20 10:35 | | | |
|---------------------------|-----------|--------------|----------|----------|
| | MB Result | MB Qualifier | MB MDL | MB RDL |
| Analyte | mg/kg | | mg/kg | 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 | 85.6 | | | 67.0-138 |
| (S) 1,2-Dichloroethane-d4 | 112 | | | 70.0-130 |

Laboratory Control Sample (LCS)

| Laboratory Cor | ntrol Sample (LC | CS) | | | | |
|-------------------------|------------------|------------|----------|-----------------------|---------------|--|
| (LCS) R3500277-1 02 | 2/14/20 09:38 | | | | | |
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | |
| Analyte | mg/kg | mg/kg | % | % | | |
| Benzene | 0.125 | 0.110 | 88.0 | 70.0 - 123 | | |
| Ethylbenzene | 0.125 | 0.114 | 91.2 | 74.0-126 | | |
| Toluene | 0.125 | 0.121 | 96.8 | 75.0-121 | | |
| Xylenes, Total | 0.375 | 0.307 | 81.9 | 72.0 - 127 | | |
| (S) Toluene-d8 | | | 103 | 75.0-131 | | |
| (S) 4-Bromofluorobenz | ene | | 87.9 | 67.0-138 | | |
| (S) 1,2-Dichloroethane- | ·d4 | | 97.2 | 70.0-130 | | |

L1189076-34 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| (OS) L1189076-34 02/14/2 | | | | | 277 - 4 02/14/20 | 18:59 | | | | | | |
|---------------------------|-----------------------|--------------------------|-----------------|---------------------|-------------------------|----------|----------|-------------------|--------------|---------------|------|------------|
| | 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 | % | % | | % | | | % | % |
| Benzene | 0.137 | U | 0.0880 | 0.114 | 64.4 | 83.2 | 1 | 10.0 - 149 | | | 25.5 | 37 |
| Ethylbenzene | 0.137 | U | 0.0928 | 0.120 | 67.9 | 88.0 | 1 | 10.0 - 160 | | | 25.8 | 38 |
| Toluene | 0.137 | U | 0.101 | 0.128 | 74.2 | 93.6 | 1 | 10.0 - 156 | | | 23.2 | 38 |
| Xylenes, Total | 0.410 | U | 0.247 | 0.326 | 60.3 | 79.5 | 1 | 10.0 - 160 | | | 27.5 | 38 |
| (S) Toluene-d8 | | | | | 104 | 104 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 79.8 | 84.9 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 97.7 | 98.8 | | 70.0-130 | | | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: | |
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| ConocoPhillips - Tetra | ech 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 63 of 7 5 | |

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

QUALITY CONTROL SUMMARY

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Method Blank (MB)

| (MB) R3500157-2 02/14/2 | 0 10:40 | | | | |
|---------------------------|-----------|--------------|----------|----------|--|
| | MB Result | MB Qualifier | MB MDL | MB RDL | |
| Analyte | mg/kg | | mg/kg | 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 | 110 | | | 75.0-131 | |
| (S) 4-Bromofluorobenzene | 103 | | | 67.0-138 | |
| (S) 1,2-Dichloroethane-d4 | 91.9 | | | 70.0-130 | |

Laboratory Control Sample (LCS)

| (LCS) | R3500157-1 | 02/14/20 | 09.39 |
|-------|------------|----------|-------|
| | | | |

| Laboratory Contr | rol Sample (L(| CS) | | | | ⁶ Qc |
|---------------------------|----------------|------------|----------|-------------------|---------------|-----------------|
| (LCS) R3500157-1 02/1 | 4/20 09:39 | | | | | |
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier | GI |
| Analyte | mg/kg | mg/kg | % | % | l | |
| Benzene | 0.125 | 0.103 | 82.4 | 70.0 - 123 | | ⁸ AI |
| Ethylbenzene | 0.125 | 0.104 | 83.2 | 74.0 - 126 | | AI |
| Toluene | 0.125 | 0.102 | 81.6 | 75.0-121 | | |
| Xylenes, Total | 0.375 | 0.309 | 82.4 | 72.0 - 127 | | ⁹ Sc |
| (S) Toluene-d8 | | | 109 | 75.0-131 | | |
| (S) 4-Bromofluorobenzen | ie | | 106 | 67.0-138 | | |
| (S) 1,2-Dichloroethane-d4 | 4 | | 98.1 | 70.0-130 | | |

L1189076-35 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| (OS) L1189076-35 02/14/2 | 0 15:07 • (MS) F | R3500157-3 02 | 2/14/20 17:07 • | (MSD) R350015 | 57-4 02/14/20 | 17:27 | | | | | | |
|---------------------------|-----------------------|--------------------------|-----------------|---------------------|---------------|----------|----------|-------------------|--------------|---------------|------|------------|
| | 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 | % | % | | % | | | % | % |
| Benzene | 0.130 | U | 0.0786 | 0.109 | 60.6 | 84.0 | 1 | 10.0 - 149 | | | 32.3 | 37 |
| Ethylbenzene | 0.130 | U | 0.0828 | 0.112 | 63.8 | 86.4 | 1 | 10.0 - 160 | | | 30.0 | 38 |
| Toluene | 0.130 | U | 0.0795 | 0.108 | 61.4 | 83.2 | 1 | 10.0-156 | | | 30.2 | 38 |
| Xylenes, Total | 0.389 | U | 0.250 | 0.332 | 64.3 | 85.3 | 1 | 10.0 - 160 | | | 28.2 | 38 |
| (S) Toluene-d8 | | | | | 109 | 108 | | 75.0-131 | | | | |
| (S) 4-Bromofluorobenzene | | | | | 105 | 104 | | 67.0-138 | | | | |
| (S) 1,2-Dichloroethane-d4 | | | | | 96.5 | 98.2 | | 70.0-130 | | | | |

| ConocoPhillips - Tetra Tech 212C-MD-02031 L1189076 02/24/20 17:09 64 of 75 | ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|--|-----------------------------|---------------|----------|----------------|----------|
| | ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 64 of 75 |

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Semi-Volatile Organic Compounds (GC) by Method 8015

QUALITY CONTROL SUMMARY

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Method Blank (MB)

| (MB) R3500065-1 02/14/ | 20 18:49 | | | |
|------------------------|-----------|--------------|--------|----------|
| | MB Result | MB Qualifier | MB MDL | MB RDL |
| Analyte | mg/kg | | mg/kg | mg/kg |
| C10-C28 Diesel Range | U | | 1.61 | 4.00 |
| C28-C40 Oil Range | 3.34 | J | 0.274 | 4.00 |
| (S) o-Terphenyl | 73.7 | | | 18.0-148 |

Laboratory Control Sample (LCS)

| (LCS) R3500065-2 02 | /14/20 19:05 | | | | |
|----------------------|--------------|------------|----------|-------------------|---------------|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
| Analyte | mg/kg | mg/kg | % | % | |
| C10-C28 Diesel Range | 50.0 | 40.1 | 80.2 | 50.0 - 150 | |
| (S) o-Terphenyl | | | 75.5 | 18.0-148 | |

L1189076-06 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| L1189076-06 Origi | nal Sample | (OS) • Mat | rix Spike (N | 1S) • Matri× | Spike Du | plicate (MS | D) | | | | | | ⁸ A I |
|--------------------------|---|--------------------------|-----------------|---------------------|----------|-------------|----------|-------------------|--------------|---------------|------|------------|------------------|
| (OS) L1189076-06 02/14/2 | (OS) L189076-06 02/14/20 20:40 • (MS) R3500065-3 02/14/20 20:57 • (MSD) R3500065-4 02/14/20 21:12 Spike Amount (dry) Original Result (dry) MSD Result (dr | | | | | | | | | | | | |
| | 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 | ⁹ Sc |
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % | |
| C10-C28 Diesel Range | 61.9 | U | 38.6 | 43.8 | 62.4 | 70.8 | 1 | 50.0 - 150 | | | 12.6 | 20 | |
| (S) o-Terphenyl | | | | | 47.1 | 60.5 | | 18.0-148 | | | | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 65 of 75 |
| | | | | |

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Semi-Volatile Organic Compounds (GC) by Method 8015

QUALITY CONTROL SUMMARY <u>L1189076-21,22,23,24,25,26,27,28,29,30,31</u>

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| Method Blank (MB) | |
|--------------------------------|--|
| (MB) R3500174-1 02/16/20 00:41 | |

| | MB Result | MB Qualifier | MB MDL | MB RDL |
|----------------------|-----------|--------------|--------|----------|
| Analyte | mg/kg | | mg/kg | mg/kg |
| C10-C28 Diesel Range | U | | 1.61 | 4.00 |
| C28-C40 Oil Range | U | | 0.274 | 4.00 |
| (S) o-Terphenyl | 66.7 | | | 18.0-148 |

Laboratory Control Sample (LCS)

| (LCS) R3500174-2 02/1 | 6/20 00:55 | | | | |
|-----------------------|--------------|------------|----------|-------------------|---------------|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
| Analyte | mg/kg | mg/kg | % | % | |
| C10-C28 Diesel Range | 50.0 | 34.4 | 68.8 | 50.0 - 150 | |
| (S) o-Terphenyl | | | 79.0 | 18.0-148 | |

L1189076-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| L1189076-29 Origi | L1189076-29 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD) | | | | | | | | ⁸ Δ1 | | | | |
|---|---|--------------------------|-----------------|---------------------|---------|----------|----------|-------------------|-----------------|---------------|------|------------|-----------------|
| (OS) L1189076-29 02/16/20 09:01 • (MS) R3500174-3 02/16/20 09:14 • (MSD) R3500174-4 02/16/20 09:27 Spike Amount Original Result (dry) MS Result (dry) MS Result (dry) (dry) MS Result (dry) (dry) RSD Rec. MSD Rec. Dilution Rec. Limits MS Qualifier MSD Qualifier RPD RPD Limits | | | | | | | | | | | | | |
| | 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 | ⁹ Sc |
| Analyte | mg/kg | mg/kg | mg/kg | mg/kg | % | % | | % | | | % | % | |
| C10-C28 Diesel Range | 54.6 | U | 39.4 | 42.7 | 72.2 | 78.2 | 1 | 50.0 - 150 | | | 7.98 | 20 | |
| (S) o-Terphenyl | | | | | 79.0 | 90.2 | | 18.0-148 | | | | | |

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
|-----------------------------|---------------|----------|----------------|----------|
| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 66 of 75 |
| | | | | |

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Semi-Volatile Organic Compounds (GC) by Method 8015

QUALITY CONTROL SUMMARY <u>L1189076-32,33,34,35,36,37,38</u>

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| (MB) R3500629-1 02/17 | 7/20 14:42 | | | |
|-----------------------|------------|--------------|--------|----------|
| | MB Result | MB Qualifier | MB MDL | MB RDL |
| Analyte | mg/kg | | mg/kg | mg/kg |
| C10-C28 Diesel Range | U | | 1.61 | 4.00 |
| C28-C40 Oil Range | 0.845 | J | 0.274 | 4.00 |
| (S) o-Terphenyl | 66.5 | | | 18.0-148 |

Laboratory Control Sample (LCS)

| (LCS) R3500629-2 (| 02/17/20 14:55 | | | | |
|----------------------|----------------|------------|----------|-------------------|---------------|
| | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
| Analyte | mg/kg | mg/kg | % | % | |
| C10-C28 Diesel Range | 50.0 | 33.0 | 66.0 | 50.0 - 150 | |
| (S) o-Terphenyl | | | 60.7 | 18.0-148 | |

L1189164-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

| (OS) L1189164-01 02/17/2 | OS) L1189164-01 02/17/20 18:05 • (MS) R3500629-3 02/17/20 18:18 • (MSD) R3500629-4 02/17/20 18:30 | | | | | | | | | | | | |
|--------------------------|---|-----------------|-----------|------------|---------|----------|----------|-------------------|--------------|---------------|------|------------|--|
| | 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 | % | % | | % | | | % | % | |
| C10-C28 Diesel Range | 48.2 | ND | 46.9 | 49.5 | 97.3 | 105 | 10 | 50.0 - 150 | | | 5.39 | 20 | |
| (S) o-Terphenyl | | | | | 87.4 | 75.8 | | 18.0-148 | | | | | |

Sample Narrative:

 $\ensuremath{\mathsf{OS}}$: Cannot run at lower dilution due to viscosity of extract

| ACCOUNT: | PROJECT: | SDG: | DATE/TIME: | PAGE: |
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| ConocoPhillips - Tetra Tech | 212C-MD-02031 | L1189076 | 02/24/20 17:09 | 67 of 75 |
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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

| (de.) | Depute we consider the optimal of the second of the second of the second state of the |
|---------------------------------|---|
| (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 |
|-----------|--|
| В | 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. |

SDG: L1189076 DATE/TIME: 02/24/20 17:09

Received by OCD: 4/6/2020 12:21:17 PM CCREDITATIONS & LOCATIONS

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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 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 |
|------------------------|-------------|
| Alaska | 17-026 |
| Arizona | AZ0612 |
| Arkansas | 88-0469 |
| California | 2932 |
| Colorado | TN00003 |
| Connecticut | PH-0197 |
| Florida | E87487 |
| Georgia | NELAP |
| Georgia ¹ | 923 |
| Idaho | TN00003 |
| Illinois | 200008 |
| Indiana | C-TN-01 |
| lowa | 364 |
| Kansas | E-10277 |
| Kentucky ¹⁶ | 90010 |
| Kentucky ² | 16 |
| Louisiana | AI30792 |
| Louisiana ¹ | LA180010 |
| Maine | TN0002 |
| Maryland | 324 |
| Massachusetts | M-TN003 |
| Michigan | 9958 |
| Minnesota | 047-999-395 |
| Mississippi | TN00003 |
| Missouri | 340 |
| Montana | CERT0086 |

| Nebraska | NE-OS-15-05 |
|-----------------------------|------------------|
| Nevada | TN-03-2002-34 |
| New Hampshire | 2975 |
| New Jersey–NELAP | TN002 |
| New Mexico ¹ | n/a |
| New York | 11742 |
| North Carolina | Env375 |
| North Carolina ¹ | DW21704 |
| North Carolina ³ | 41 |
| North Dakota | R-140 |
| Ohio-VAP | CL0069 |
| Oklahoma | 9915 |
| Oregon | TN200002 |
| Pennsylvania | 68-02979 |
| Rhode Island | LAO00356 |
| South Carolina | 84004 |
| South Dakota | n/a |
| Tennessee 14 | 2006 |
| Texas | T104704245-18-15 |
| Texas ⁵ | LAB0152 |
| Utah | TN00003 |
| Vermont | VT2006 |
| Virginia | 460132 |
| Washington | C847 |
| West Virginia | 233 |
| Wisconsin | 9980939910 |
| Wyoming | A2LA |

Third Party Federal Accreditations

| A2LA – ISO 17025 | 1461.01 | AIHA-LAP,LLC EMLAP | 100789 |
|-------------------------------|---------|--------------------|---------------|
| A2LA – ISO 17025 ⁵ | 1461.02 | DOD | 1461.01 |
| Canada | 1461.01 | USDA | P330-15-00234 |
| EPA-Crypto | TN00003 | | |

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

Our Locations

ConocoPhillips - Tetra Tech

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.



212C-MD-02031

L1189076

02/24/20 17:09



| Client Name: Conco Phillips Site Manager: Christian Lluit Charlance Christian Lluit Project Name: COP Wilder 28-1Dumping C/C rele or Specify Method No.3 C/C rele or Specify Method No.3 Project Location: Lag County, New Mexico Project 1: 212C-MD-02031 Image: County, New Mexico Project 1: 212C-MD-02031 Imovide De: Accounts Payable 501 Vest Wall Street, Suite 100 Midland, Texas 79701 Sampler Signature: Image: County, New Mexico Project 1: 212C-MD-02031 Comments: COPTETRA Acctuum Sampler Signature: Image: County, New Mexico Project 1: | T | of Chain of Custody Record Tetra Tech, Inc. | | | a the second second | N | /est W /lidland Tel (4 Fax (4 | i, Tex 32) 68 | as 79 82-45 | 59 | 10 | | | - | | | | Œ, | GC | 04 | | | | e C S Proj | |
|--|--|--|--|----------|---------------------|-------|--|------------------|--------------------|--------|--------|--------|---------|--------|---|---------|--------|----------|-----------------|----------|----------|----------|--------------------|------------------|------------|
| Project Name: COP Wilder 28-1 Dumping Project Location: Les County, New Mexico Project #: 212C-MD-02031 Invoice to: 901 West Wail Street, Suite 100 Midland, Texas 75701 901 901 West Wail Street, Suite 100 Midland, Texas 75701 Receiving Laboratory: Pace Analytical Sampler Signature: Invoice 100 900 Wilding W | Client Name: | Conoco Phillips | Site Manage | er: | Chri | stian | Llull | | | | | | | 10 | irol | 1.1.58 | | | | | | | c) | | |
| Project Location: (county, state) Lea County, New Mexico Project #: 212C-MD-02031 Accounty Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 Sampler Signature: | Project Name: | COP Wilder 28-1 Dumping | and the | | | | | | | | | | 11 | | | | | | y | | | | | 1 | 1 |
| Accounts Payable 901 West Wall Street, Suite 100 Midland, Toxas 79701 Image: Sampler Signature: Image: Sampler Signature: <thimage: sampler="" signature:<="" th=""> Imag</thimage:> | Project Location: | Lea County, New Mexico | Project #: | | 2 | 212C- | MD-0 | 2031 | | | | | | | | | | | | | | | | | |
| Receiving Laboratory: Pace Analytical Sampler Signature: | contract of the second second | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texa | s 79701 | de - | | | Å | | | | | | ō | | | | | | | | | | | | |
| LAB # SAMPLE IDENTIFICATION SAMPLE IDENTIFICATION MATRIX PRESENTIVE METHOD QUAR OUT | Receiving Laborato | and a second | | gnature: | 0 | A | S | 7 | | | - | | O - MR | 00 | b Se Hg | | | | | | | | attached | | 3 |
| LAB # SAMPLE IDENTIFICATION SAMPLE IDENTIFICATION SAMPLE IDENTIFICATION MATRIX PRESENTIVE METHOD Restrict Restrict <threstrit< th=""> <threstrit< th=""> Restrict</threstrit<></threstrit<> | Comments: COPT | ETRA Acctnum | en de la composition de la composition La composition de la c | | | | | | Sec. | | | 8260B | RO - OR | č | | | | 24 | 0C/625 | | | DS | try (see a | | |
| LAB USE OMLY DATE TIME TIME TO Y OV Y TO Y TO Y <td></td> <td>and the second second</td> <td>SAMP</td> <td>LING</td> <td>MA</td> <td>TRIX</td> <td></td> <td></td> <td></td> <td>RS</td> <td>(N)</td> <td>BTEX</td> <td>GRO - D</td> <td>á</td> <td>g As Ba</td> <td></td> <td>Iduido</td> <td>260B / 6</td> <td>Vol. 827 SOR</td> <td></td> <td>(9</td> <td>ate</td> <td></td> <td>Dealer-</td> <td>23. 212</td> | | and the second | SAMP | LING | MA | TRIX | | | | RS | (N) | BTEX | GRO - D | á | g As Ba | | Iduido | 260B / 6 | Vol. 827 SOR | | (9 | ate | | Dealer- | 23. 212 |
| LAB USE OMLY DATE TIME TIME TO Y OV Y TO Y TO Y <td>140.4</td> <td>SAMPLE IDENTIFICATION</td> <td>YEAR: 2020</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AINE</td> <td>ED (Y</td> <td>021B</td> <td>15M ((</td> <td>700</td> <td>etals A</td> <td>latiles</td> <td></td> <td>/ol. 82</td> <td>Semi. \</td> <td></td> <td>bestos</td> <td>Sul</td> <td>Water ation B</td> <td>5H</td> <td>RA S</td> | 140.4 | SAMPLE IDENTIFICATION | YEAR: 2020 | | | | | | | AINE | ED (Y | 021B | 15M ((| 700 | etals A | latiles | | /ol. 82 | Semi. \ | | bestos | Sul | Water ation B | 5H | RA S |
| O/L BH-1 (0'-1') 2/4/202 1200 X 1 N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I I N X X I I I I N X <td>/ LAB USE</td> <td>AN</td> <td>DATE</td> <td>TIME</td> <td>WATER</td> <td>SOIL</td> <td>HCL</td> <td>ICE</td> <td>NONE</td> <td># CONT</td> <td>FILTER</td> <td>BTEX 8</td> <td>TPH 80</td> <td>PAH 82</td> <td>TCLP M</td> <td>TCLP Vo</td> <td>5</td> <td>GC/MS</td> <td>GC/MS</td> <td></td> <td>PLM (As</td> <td>Chloride</td> <td>General Anion/C</td> <td>TPH 80</td> <td></td> | / LAB USE | AN | DATE | TIME | WATER | SOIL | HCL | ICE | NONE | # CONT | FILTER | BTEX 8 | TPH 80 | PAH 82 | TCLP M | TCLP Vo | 5 | GC/MS | GC/MS | | PLM (As | Chloride | General Anion/C | TPH 80 | |
| CL BH-1 (2-3) 24/2020 1200 X X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 1 | -61 | BH-1 (0'-1') | 2/4/2020 | 1200 | | _ | | Х | | 1 | | | | | | | | | | | ; | × | | | |
| 65 BH-1 (4'-5') 2/4/2020 1210 X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 1 N X <td>02</td> <td>BH-1 (2'-3')</td> <td>2/4/2020</td> <td>1205</td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td>1</td> <td>-</td> <td>22</td> <td>-</td> <td></td> | 02 | BH-1 (2'-3') | 2/4/2020 | 1205 | | | | X | | 1 | - | 22 | - | | | | | | | | | | | | |
| 09 BH-1 (9',1) 2/4/2020 1220 X X 1 N X 1 N X 1 N X 1 N X 1 N X 1 <td>and the second second</td> <td>BH-1 (4'-5')</td> <td>2/4/2020</td> <td>1210</td> <td></td> <td>10</td> <td></td> <td>-</td> <td></td> <td>1</td> <td></td> <td></td> <td>-</td> <td>10</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td>4</td> | and the second second | BH-1 (4'-5') | 2/4/2020 | 1210 | | 10 | | - | | 1 | | | - | 10 | | | | | | | | - | | | 4 |
| 05 BH-1 (9-10) 2/4/2020 1230 X X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N <td>04</td> <td>BH-1 (6'-7')</td> <td>2/4/2020</td> <td>1215</td> <td></td> <td></td> <td></td> <td>-</td> <td>ter al</td> <td>1</td> <td>-</td> <td></td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>10</td> <td></td> <td></td> <td>-</td> | 04 | BH-1 (6'-7') | 2/4/2020 | 1215 | | | | - | ter al | 1 | - | | | | - | | - | | | | | 10 | | | - |
| 0L BH-2 (0'-1') 2/4/2020 1230 X 1 N X X I N X I I N X I I N X I I N X I I N X I N X I I N X X I I N X X I I N X X <td>09</td> <td>BH-1 (9'-10')</td> <td>2/4/2020</td> <td>1220</td> <td></td> <td>x</td> <td></td> <td>X</td> <td></td> <td>1</td> <td>N</td> <td>X</td> <td></td> <td>24</td> <td></td> <td></td> <td>-</td> <td></td> <td></td> <td></td> <td></td> <td>7. 1.68</td> <td></td> <td></td> <td>+</td> | 09 | BH-1 (9'-10') | 2/4/2020 | 1220 | | x | | X | | 1 | N | X | | 24 | | | - | | | | | 7. 1.68 | | | + |
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| 0% BH-2 (4'-5) 2/4/2020 1/240 A <td>and the second se</td> <td>BH-2 (2'-3')</td> <td>2/4/2020</td> <td>1235</td> <td></td> <td>Х</td> <td></td> <td>X</td> <td></td> <td>1</td> <td>1</td> <td>X</td> <td></td> <td></td> <td>-</td> <td></td> <td>-</td> <td></td> <td>\square</td> <td></td> <td>+</td> <td></td> <td>1</td> <td></td> <td>_</td> | and the second se | BH-2 (2'-3') | 2/4/2020 | 1235 | | Х | | X | | 1 | 1 | X | | | - | | - | | \square | | + | | 1 | | _ |
| BH-2 (6'-7) 2/4/2020 1243 A | 08 | BH-2 (4'-5') | 2/4/2020 | 1240 | | Х | | X | | 1 | 1.1.1 | X | 1.5. | | | | | | | - | | | | | |
| BH-2 (9-10) Date: Time: Received by: Date: Time: LAB USE ONLY Remarks: Relinquished by: Date: Time: Received by: Date: Time: LAB USE ONLY STANDARD Relinquished by: Date: Time: Received by: Date: Time: RUSH: Same Day 24 hr. 48 hr. 72 hr. Relinquished by: Date: Time: Received by: Date: Time: Relinquished by: Date: Time: Rush Charges Authorized Relinquished by: Date: Time: Date: Time: | 09 | BH-2 (6'-7') | 2/4/2020 | 1245 | | х | | - | | | - | X | X | | 100 Jack | | _ | - | | | | × | | \square | + |
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| All Date: Time: Pecked by: Date: Time: Date: Date: Time: Date: | Relinguished by: | Date: Time: | Received by | | <u> </u> | in . | 184 | | - | | 0 | Sam | | | ature | | R | USH | : Sar | ne Day | y 24 | hr. 41 | 3 <u>hr</u> . 72 | 2 hr. | |
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| T | Tetra Tech, Inc. | | | | 901 1 | Midla Tel | nd, 7 (432 | Street, Texas 79) 682-45 2) 682-39 | 9701 559 | 00 | | | | | | | | | | | | | 1. | | |
|--------------------------------------|--|------------------------------|----------|----------------------------|------------|--------------|---------------------|--|--------------|---|-------|--|-----------|--------------|-------------------|---------------------|-----------|--------------------|------------------|-------|---------------------------------|---------------|-------------|---------------------------|-------|
| Client Name: | Conoco Phillips | Site Manage | er: | Ch | ristiar | n Llull | | | | | | | | Ci. | olo | | | | | | EST tho | | (<u>ما</u> | | |
| Project Name: | COP Wilder 28-1 Dumping | . 3 | in an | | | | | | | | | 1 | 1 | | | | | | | | | | | 1 | |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | | | 2120 | -MD- | 020 |)31 | - | | | | | - 24 | | | | | | | | | | | |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas | s 79701 | | | | | | | | | | 6 | 5 | 85.e | | | | | | | | | d list) | | |
| Receiving Laborat | ory: Pace Analytical | Sampler Si | gnature: | | \bigcirc | 6 | 2 | tas | | | | ORO - MROI | | Se Hg | o Se Hg | | | | | | | | ittached | | |
| Comments: COP | TETRA Acctnum | Serie Actions | | 495 | | | C | | | | 8260B | 35) RO - OR | | d Cr Pb | Cd Cr PI | | | 8/624 8270C/625 | | | | TDS | ry (see a | | |
| | | SAMP | LING | M | ATRIX | P | | RVATIVE | RS | (N) | BTEX | (Ext to C: GRO - DI | | 181 | m | atiles | | | | | | 1 | Chemist | Balance | |
| LAB # | SAMPLE IDENTIFICATION | YEAR: 2020 | | | | | | | AINE | ED (Y | 8021B | TX1005 (E | 8270C | als Ag | Itals Ag | mi Vola | | Vol. 8260 | 382 / 6 | | (Asbestos) ide 300.0 | Sulfate | Water (| 5R | 1 |
| (LAB USE) | | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | NONE | # CONTAINERS | FILTERED (Y/N) | X | TPH TX1005 (Ext to C35) TPH 8015M (GRO - DBC - | PAH 827 | Total Metals | TCLP Metals Ag As | TCLP Semi Volatiles | RCI | GC/MS V | PCB's 8082 / 608 | NORM | PLM (Asbestos Chloride 300.0 | Chloride | General V | Anion/Cation TPH 8015R | |
| 10 | BH-3 (0'-1') | 2/4/2020 | 1300 | | x | | | х | -1 | N | X |) | x | | | | | | | | × | - | | | |
| 11 | BH-3 (2'-3') | 2/4/2020 | 1305 | | X | | | x | 1 | Ν | х |) | × | | | | | | | | X | (| | | 100 |
| 12 | BH-3 (4'-5') | 2/4/2020 | 1310 | 1 | x | | | x | 1 | Ν | X |) | x | | | | | | | | > | (| | | |
| B | BH-3 (6'-7') | 2/4/2020 | 1315 | 17 | x | 1 | | x | 1 | N | х |) | x | | | | | 1 1 34 | | d al | > | (| | 1 | 100 |
| | BH-3 (9'-10') | 2/4/2020 | 1320 | | X | | | x | 1 | Ν | | | | | | | -1 | 100 | | 1 | | 9 64 2 8.2 | | | |
| 14 | BH-4 (0'-1') | 2/4/2020 | 1330 | | x | | | х | 1 | N | X |) | X | | | | | 100 | | 1 |) | < | | | |
| 15 | BH-4 (2'-3') | 2/4/2020 | 1335 | | X | | | X | 1 | N | X |) | × | | | | | | | |) | (| | | |
| 16 | BH-4 (4'-5') | 2/4/2020 | 1340 | | X | | | x | 1 | N | x |) | x | | N | - | | | | | > | < | | - | |
| 17 | BH-4 (6'-7') | 2/4/2020 | 1345 | | x | | | x | 1 | N | х |) | × | | 1 | | | 9 | | | > | < | | in sit | |
| | BH-4 (9'-10') | 2/4/2020 | 1350 | | X | | | x | 1 | N | | | | | | | | | | | | | | | |
| Relinquished by: | Date: Time: Detto J-11-20 1500 Date: Time: | Received by: Received by: | Du | -1 | / | 2. | ate: /(- ate: | Tim Za Tim | 15:0 | ه | | 0 | B U NL | Y | | | | AND | | | · 24 h | nr. 4 | 8 hr. | 72 hr. | |
| 10/11 | X 2-1-20 16:0 | Fell | T. | 27 - S 17 - S 19 - S | • | 2-1 | 42 | Tim | 10: | w | San | 2- | remp | eratu | re | | _] Ru | sh Ch | arges | Auth | orized | | | | |
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| | | (anal) | | ~~ | 7 | 1 | | | | 1. A. | | cle) | HAN | D DE | LIVE | RED | FEI | DEX | UPS | Tr | racking | j #: . | 15.16 | 1000 | 24-17 |

| Project Name: COP Wilder 28-1 Dumping Project Location: County, State) Accounts Pavable COP Wilder 28-1 Dumping County New Mexico Project #: 212C-MD-02031 County State) | T | Tetra Tech, Inc. | | 生 あり 。 | | | Vest W Midland Tel (4 Fax (4 | l, Texa 32) 68 | as 79 32-45 | 701 59 | | | | | Þ | | | | 1. AN | | | | | | | |
|--|--|--|-------------|------------------|-------|--------|---------------------------------------|-------------------|----------------|-----------|---------|---------|------|--------|-----------|---------|---------|-----------|--------------------|----------|--------|----------|----------|-----------------------|-----------|-------|
| Project Name: COP Wilder 28-1 Dumping Project Location: Lea County, New Mexico Project #: 212C-MD-02031 Accounts Payable Boil West Wall Street, Suite 100 Midland, Texas 79701 Sampler Signature: Becelving Laboratory: Project #: 212C-MD-02031 Mode County, New Mexico Project #: 212C-MD-02031 Becelving Laboratory: Project #: 212C-MD-02031 Becelving Laboratory: Project #: 212C-MD-02031 Mode County, New Mexico Project #: 212C-MD-02031 Market Mail Street, Suite 100 Midland, Texas 79701 Sampler Signature: Sampler Signature: Market Mail Street, Suite 100 Midland, Texas 79701 Sampler Signature: Sampler Signature: Sampler Signature: Market Mail Street, Suite 100 Midland, Texas 79701 Sampler Signature: Sampler Signature: Sampler Signature: Sampler Signature: Market Mail Street, Suite 100 Midland, Texas 79701 Sampler Signature: Sampler Signature: Sampler Signature: Sampler Signature: Sampler Signature: Market Mail Street, Suite 100 Midland, Texas 79701 Sampler Signature: Sampler Signature: Sampler Signature: Sampler Signature: 103 BH-5 (0-11) Sa | Client Name: | Conoco Phillips | Site Manage | er: | Chr | istian | Llull | | | | | | | 11 | Cir | | | | | | | | d N | •) | | |
| Project Location: county, state) Lea County, New Mexico Project #: 212C-MD-02031 Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 Sampler Signature: Image: Control (Control (C | Project Name: | COP Wilder 28-1 Dumping | C.M. | ine. | | | | i f Garda | | | | | | יי | | | | - JP | | | | | | | 11 | |
| Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas 79701 Sampler Signature: Receiving Laboratory: Pace Analytical Sampler Signature: LAB # Sampler Signature: | Project Location: | Lea County, New Mexico | Project #: | a an | | 212C | -MD-0 | 2031 | 13 27 - 1. | | | | | | | | | | | | | | | | | |
| Bacelving Laboratory: Pace Analytical pample signature. Comments: COPTETRA Acctnum VEAB # SAMPLE IDENTIFICATION VEAD VEAD DATE TIME MATRIX PRESERVATIVE METHOD Status Status <t< td=""><td>nvoice to:</td><td>Accounts Payable 901 West Wall Street, Suite 100 Midland, Te</td><td>exas 79701</td><td></td><td></td><td></td><td></td><td></td><td></td><td>Terres .</td><td></td><td></td><td>(0)</td><td></td><td></td><td>6</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></t<> | nvoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Te | exas 79701 | | | | | | | Terres . | | | (0) | | | 6 | | | | | | | | | | |
| Comments: COPTETRA Acctinum SampLing MATRIX Pesservative METHOD Signature Sign | Receiving Laboratory | Pace Analytical | Sampler Sig | gnature: | | Ð | An | 1 | | | | | 1 1 | | Set | Se | | | | | | | | attacne | | |
| LAB # SAMPLE IDENTIFICATION SAMPLE IDENTIFICATION SAMPLE IDENTIFICATION SUBMULATION SUBMULATION <t< td=""><td>Comments: COPTET</td><td>RA Acctnum</td><td></td><td></td><td></td><td>-C</td><td></td><td></td><td></td><td></td><td></td><td>8260B</td><td>1.20</td><td></td><td>Cd Cr F</td><td></td><td></td><td></td><td>24 0C/625</td><td></td><td></td><td></td><td>DS</td><td>try (see</td><td></td><td></td></t<> | Comments: COPTET | RA Acctnum | | | | -C | | | | | | 8260B | 1.20 | | Cd Cr F | | | | 24 0C/625 | | | | DS | try (see | | |
| 16 BH-5 (0·1) 2/4/2020 1300 X 1 N | | The definition of the second sec | SAMP | LING | M | ATRIX | | | | RS | (N) | | | | Ba | g As | latiles | | 260B / 6 | 308 | | 1 | ate | Chemis alance | | 12 |
| 15 BH-5 (0'-1) 2/4/2020 1300 X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N <td></td> <td>SAMPLE IDENTIFICATION</td> <td>YEAR: 2020</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>AINE</td> <td>ED (Y</td> <td>21B</td> <td></td> <td>SC</td> <td>als Ag</td> <td>Iatiles</td> <td>mi Vo</td> <td></td> <td>ol. 82</td> <td>082 / 6</td> <td></td> <td>300.0</td> <td></td> <td>Water tion B</td> <td>SR</td> <td></td> | | SAMPLE IDENTIFICATION | YEAR: 2020 | | | | | | | AINE | ED (Y | 21B | | SC | als Ag | Iatiles | mi Vo | | ol. 82 | 082 / 6 | | 300.0 | | Water tion B | SR | |
| 15 BH-5 (0'-1') 2/4/202 1300 X X 1 N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I I N X X I N X X I I N X I N X X I I N X I N X I N X I N X I N X I N X I N X I N X I N <td>(LAB USE)</td> <td>JAMPLE DETITION</td> <td>DATE</td> <td>TIME</td> <td>WATER</td> <td>SOIL</td> <td>HCL</td> <td>ICE</td> <td>NONE</td> <td># CONT</td> <td>FILTERI</td> <td>BTEX 80</td> <td></td> <td></td> <td>Total Met</td> <td>TCLP Me</td> <td>TCLP Se</td> <td>RCI</td> <td>GC/MS V GC/MS S</td> <td>PCB's 80</td> <td>NORM</td> <td>Chloride</td> <td>Chloride</td> <td>General v Anion/Ca</td> <td>TPH 801</td> <td></td> | (LAB USE) | JAMPLE DETITION | DATE | TIME | WATER | SOIL | HCL | ICE | NONE | # CONT | FILTERI | BTEX 80 | | | Total Met | TCLP Me | TCLP Se | RCI | GC/MS V GC/MS S | PCB's 80 | NORM | Chloride | Chloride | General v Anion/Ca | TPH 801 | |
| 19 BH-5 (2'-3) 2/4/2020 1305 X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 N X 1 1 N <td>15</td> <td>BH-5 (0'-1')</td> <td>2/4/2020</td> <td>1300</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td>N</td> <td>х</td> <td>X</td> <td></td> <td></td> <td></td> <td>17</td> <td></td> <td></td> <td></td> <td>1</td> <td>X</td> <td></td> <td></td> <td></td> <td>987</td> | 15 | BH-5 (0'-1') | 2/4/2020 | 1300 | | | | | | 1 | N | х | X | | | | 17 | | | | 1 | X | | | | 987 |
| 20 BH-5 (4'-5') 2/4/2020 1310 X X 1 N X X <td></td> <td>BH-5 (2'-3')</td> <td>2/4/2020</td> <td>1305</td> <td></td> <td>x</td> <td></td> <td>X</td> <td></td> <td>1</td> <td>N</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> | | BH-5 (2'-3') | 2/4/2020 | 1305 | | x | | X | | 1 | N | X | X | | | | | | | | | X | | | | |
| 21 BH-5 (6'-7') 2/4/2020 1315 X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X X 1 N X 1 1 N X 1 <td></td> <td>BH-5 (4'-5')</td> <td>2/4/2020</td> <td>1310</td> <td></td> <td>x</td> <td></td> <td>X</td> <td></td> <td>1</td> <td>N</td> <td>x</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>1</td> <td></td> <td></td> <td>X</td> <td></td> <td></td> <td></td> <td></td> | | BH-5 (4'-5') | 2/4/2020 | 1310 | | x | | X | | 1 | N | x | X | | | | | | 1 | | | X | | | | |
| BH-5 (9'-10') 2/4/2020 1320 X X 1 N 22 BH-6 (0'-1') 2/7/2020 1000 X X 1 N X X 1 N 23 BH-6 (2'-3') 2/7/2020 1005 X X 1 N X X 1 N 24 BH-6 (4'-5') 2/7/2020 1010 X X 1 N X X 1 N 24 BH-6 (6'-7') 2/7/2020 1010 X X 1 N X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X 1 X | 12000 - 200000 | BH-5 (6'-7') | 2/4/2020 | 1315 | | X | | X | | 1 | Ν | X | X | | | | | | - | | | X | | 61. m | | 2 mil |
| 22 BH-6 (0-1) 21/2020 1005 X X 1 N X X 1 23 BH-6 (2'-3') 27/2020 1005 X X 1 N X X 1 24 BH-6 (4'-5') 27/2020 1010 X X 1 N X X 1 X 1 | and the second sec | BH-5 (9'-10') | 2/4/2020 | 1320 | | X | | Х | | 1 | N | | | | 1 | | 1 | | | | | | | | 120 | |
| 23 BH-6 (2'-3) 27/2020 1005 X X 1 N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I N | 22 | BH-6 (0'-1') | 2/7/2020 | 1000 | | X | | X | 471 1.8 | 1 | N | X | X | in. | | - | | | | | | X | | 20 | | |
| 24 BH-6 (4'-5') 27/2020 1010 X X 1 N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I N X X I I N X <td></td> <td>BH-6 (2'-3')</td> <td>2/7/2020</td> <td>1005</td> <td></td> <td>X</td> <td></td> <td>X</td> <td></td> <td>1</td> <td>N</td> <td>X</td> <td>X</td> <td></td> <td></td> <td></td> <td></td> <td>\square</td> <td>-</td> <td></td> <td></td> <td>X</td> <td></td> <td>1</td> <td>\square</td> <td></td> | | BH-6 (2'-3') | 2/7/2020 | 1005 | | X | | X | | 1 | N | X | X | | | | | \square | - | | | X | | 1 | \square | |
| $\begin{array}{c c c c c c c c c c c c c c c c c c c $ | | BH-6 (4'-5') | 2/7/2020 | 1010 | | X | | X | | 1 | N | X | X | | | | - | | | | | | | - | | |
| Image: Product of the second day Date: Time: Tim | | BH-6 (6'-7') | 2/7/2020 | 1015 | | x | | X | | 1 | N | × | X | | | | | | 1 | | | X | | | | |
| Relinquished by: Date: Time: Received by: Date: Time: Received by: Date: Time: Rush: Sample Temperature Rush Charges Authorized Date: Time: Rush Charges Authorized | 26 | BH-6 (9'-10') | 2/7/2020 | 1020 | | X | | 25 1.25 | | 1 | N | X | X | | | | | 1.30 | | | | X | | | | |
| Relinduitsbed by: Date: Time: Beceived by: Date: Time: Carleal Rush Charges Authorized | Relinquished by: | - for 2-11-20 150 | 20 Helle | hd | 2 | 2 | _ (_ | 22 | K | 520 | 0 | | | | | F | |] st. | AND | | Dav | 24.6 | . 40 | hr 1 | 70 hr | |
| Date: Time: Received by: Date: Time: | Relinquished by: | . / | 1./ / | EX . | | C | 11- | 20 |](| 6- | 0 | | | | | e | | _ | | | | | . 40 | | 210. | |
| | Relinquished by: | Date: Time: | Received by | e he | m | 1012 I | | | | | 40 | | A | 25 | - | | |] Spe | ecial R | eport I | Limits | or TR | RP Re | port | | |

| Ŧ | Tetra Tech, Inc. | | | | | West W Midlan Tel (4 Fax (4 | d, Te (32) 6 | xas 79 | 9701 659 | 00 | | | | | | | | | à | | | | | 9.84 S. |
|--------------------------------------|--|--------------|----------|-------|---------|--------------------------------------|-----------------|--------|--------------|-------------------|-------|------------|----------|-----------|-----------|----------------------------|-------------|--------------------------------------|------|---------------------------------|----------|-----------|---------------------------|---------|
| Client Name: | Conoco Phillips | Site Manag | er: | Chr | ristiar | Llull | | | | | | | | | | | | S RE | | 2 J - 18 | | - | | |
| Project Name: | COP Wilder 28-1 Dumping | 2.51 | | | × | | | | t R | | 1 | 11 | (0 | irc | | or S | peo | cify | Me1 | iho | dN | o.) | 1 | 11 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | | | 212C | -MD-0 | 2031 | 1 | | | | | | | | | | | | | 14.2 | | | |
| Invoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Texas | \$ 79701 | | | P.S. 1 | | | | | | | (0 | | | | | | | | | | list) | | |
| Receiving Laborator | y: Pace Analytical | Sampler Si | gnature: | 25 K | 4 | Ala | in , | 7 | | t a ^{re} | | ORO - MRO) | 0 | Se Hg | | | | | | | | tached | | |
| Comments: COPTE | TRA Acctnum | | 1 | | L | -0 | | | | | 8260B | | N Cr Dh | Cd Cr Pb | | | 4 | C/625 | | | S | y (see at | | |
| Real of a | | SAMP | LING | ма | ATRIX | | SERV | ATIVE | RS | (N/) | | | AH 8270C | g As Ba (| | atiles | 8260B / 624 | ol. 8270C/ 08 | | | ate TDS | Chemistry | llance | |
| LAB # | SAMPLE IDENTIFICATION | YEAR: 2020 | | - | 10 | | | | AINE | ED (Y | 21B | | 8270C | Metals Ag | Volatiles | mi Voli | ol. 82 | Semi. Vol. 8082 / 608 | | (Asbestos) ide 300.0 | Sulfate | Water Che | N/Cation Balance 8015R | |
| (LAB USE) | | DATE | TIME | WATER | SOIL | HCL | ICE | NONE | # CONTAINERS | FILTERED (Y/N) | | TPH 801 | PAH 827 | TCLP Me | TCLP Vo | TCLP Semi Volatiles RCI | GC/MS Vol. | GC/MS Semi. Vol. PCB's 8082 / 608 | NORM | PLM (Asbestos Chloride 300.0 | Chloride | General V | TPH 8015R | |
| 27 | BH-7 (0'-1') | 2/7/2020 | 1100 | | x | | X | 1 | 1 | N | х | X | - | | | | | T | ĪĪ | X | | | | |
| 28 | BH-7 (2'-3') | 2/7/2020 | 1105 | | х | | X | | 1 | N | x | X | | 1 191 | | | | | | X | | | | |
| 29 | BH-7 (4'-5') | 2/7/2020 | 1110 | | х | | X | | 1 | N | x | x | | | | | | | | X | | | | |
| 30 | BH-7 (6'-7') | 2/7/2020 | 1115 | | х | | X | 10 | 1 | N | X | X | | | | | | | | x | Π | | | |
| and the second second second | BH-7 (9'-10') | 2/7/2020 | 1120 | | х | | X | | 1 | Ň | | | 1 | | | | | | | | | | T | 1 |
| 31 | BH-8 (0'-1') | 2/7/2020 | 1200 | | x | | X | | 1 | Ň | X | X | - | | | | | | | x | | 1 | | |
| 32 | BH-8 (2'-3') | 2/7/2020 | 1205 | | х | | x | | 1 | Ν | x | X | | | | | | | | X | | | 10.0 | 1.5 |
| 33 | BH-8 (4'-5') | 2/7/2020 | 1210 | | х | | x | | 1 | N | X | X | | - | | <u>a.</u> | | | | X | | | | |
| 34 | BH-8 (6'-7') | 2/7/2020 | 1215 | | х | | X | | 1 | Ν | х | X | | | | | | | | X | | | | |
| | BH-8 (9'-10') | 2/7/2020 | 1220 | | Х | | X | | 1 | N | | | | | | | | | | | | | | |
| Relinquished by: | Date: Time: 210- 211-20 1500 | Received by: | hat | Q | 22 | Date 2_)(~ | | Time | | D | | | | | | X s | | DARD | | | | | | |
| Relinquished by | Date: Time: 2-11-23 (6:50 | Received by: | | | 2 | Date | | Time | | D | 1.000 | ple Tem | | | | _ | | Same | | | . 48 | hr. 7 | 72 hr. | |
| Relinquished by: | Date: Time; | Received by: | 3 her | | | -(1-2 Date | e: 17 | Time | » 9:4 | 10 | K | the | | | | _ | | Report | | | RP Re | port | | |

RAD SCREEN: <0.5 mR/hr

| alysis Request | of Chain of Custody Record Tetra Tech, Inc. | | | 90 | M | idland Fel (4 | d, Te (32) | exas 7 682-4 | , Suite 79701 4559 3946 | 3 100 | | | | - | 1 | | 1) | | | | | | | - | 1 |
|------------------------------------|--|--------------|-------------------|------------------|-------|------------------|------------------|----------------------|----------------------------------|--------------|----------------|---------------|------------------------|-----------|-------------------------|-----------|----------------------------|-------------|------------------|------------------|----------------|--------|---|----------------------|----------|
| | Conoco Phillips | Site Manager | • 18 ¹ | Christ | ian l | lull | 4 | | 19 | | * | | | (C | ircl | | | | | | UES eth | | No. | 1 | |
| lient Name: | and the second | | | | | | | | | | | | 11 | | | - | | | | | | 1 | | | 1 |
| roject Name: | COP Wilder 28-1 Dumping | | 11 Fig. 27 | 21 | 2C- | MD-0 | 0203 | 31 | - 55%) | | | | | | | | 1 | | | 1 | | | | | |
| roject Location: county, state) | Lea County, New Mexico | Project #: | | - | LU | | - 1 | | | | _ | | | | | | | | | 4 | | | ist) | | |
| nvoice to: | Accounts Payable 901 West Wall Street, Suite 100 Midland, Te | exas 79701 | | | - | 1 | | | | | - | | MRO) | PH | 6H e | | | | | | | | attached I | La Ca | |
| | ory: Pace Analytical | Sampler Sig | nature: | C | Y | Re | 10 | Az | | _ | _ | _ | ORO - 1 | Ph Se | Pb Se | | | | 12 | | | | ee attac | | |
| sil constraints | | | | | | | | | | | | K 8260E | GRO - DRO - ORO - MRO) | CHO | Ag As Ba Cd Cr Pb Se Hg | | | 624 | 8270C/625 | | | 0 | IUS listry (se | | |
| Comments: COP | TETRA Accurati | SAMPL | ING | MA | TRIX | P | | RVATI | VE | RS | (N) | 8021B BTEX 82 | GRO - | A De Ro | Ag As B | | olatiles | 8260B / 624 | | 608 | IS) | | sultate ater Chem | Balance | |
| See. 1 | | YEAR: 2020 | | T | | | | | | AINE | ED () | 8021B | 8015M (| 70C | Metals A | Volatiles | mi Vo | | Semi. | 1082 / | sbesto | 300.0 | Wate | ation | E |
| LAB # | SAMPLE IDENTIFICATION | DATE | TIME | WATER | SOIL | HCL | HNO ₃ | ICE | INCINE | # CONTAINERS | FILTERED (Y/N) | | TPH 801 | PAH 8270C | TCLP Me | TCLP VG | TCLP Semi Volatiles RCI | GC/MS Vol. | GC/MS Semi. Vol. | PCB's 8082 / 608 | PLM (Asbestos) | _ | Chloride Sultate LDS General Water Chemistry | Anion/Cation Balance | אס נוגדו |
| (IAB USE ONLY) | | 2/7/2020 | 1300 | | X | | | X | 11 - C.S. | 1 | N | Х | X | 4 | | | _ | | | | | X | | - | |
| 35 | BH-9 (0'-1') BH-9 (2'-3') | 2/7/2020 | 1305 | | x | | | х | | 1 | N | X | X | | | 12.0 | - | - | | | | X X | | | + |
| 36 | BH-9 (2'-5') | 2/7/2020 | 1310 | | х | - 4 | | x | | 1 | N | X | X | | | | | | | | - | x | | | 1000 |
| 37 | BH-9 (6'-7') | 2/7/2020 | 1320 | | X | | | х | - | 1 | N | X | X | | | | | | | | | | | + | + |
| 26 | BH-9 (9'-10') | 2/7/2020 | 1330 | | X | + | | X | - | 1 | N | | | | | | | | | 1 | | | | | |
| | | | | | | 1 | | | | a di | | | - | | | | | | | | - | | | | + |
| | | | | 6 | H | + | + | + | | | | | | | | | | | | | | | | | |
| | | | | + | + | + | 1 | + | | | | | | | | | | | | | | | | | 1 |
| Relinquished by: | Date: Time: De Jut D-11-20 ISC | Received b | Y: | -7 | / | | Date | | Time | (SE | 5 | | LAE | B US | | RE | _ | STA | NDA | | | 04 hr | 48 hr. | 721 | hr |
| Relinquished by: | Date: Time: | in Fea | iv: EX | and and a second | 2 | 2-4 | Date | : 7.C | Time | | · ē | | nple T | | | | | | | | uthoriz | | | | 40 |
| Relinquished by: | Date: Time: | Received | by: | how | nn | | 21 | ". [] <i>S</i>]/ | W | 9: | .40 | | A | 21 | ~ | | 100 | | | 10 | | | P Repo | rt | |
| | A STATE OF A | 1 dan | 10L | 10/10/ | 7 | 5. ' | | 11.4 | 199 | 5.46 | 1. 19 | (C | ircle) | HAND | DEL | IVER | ED | FED | EX I | JPS | Trac | king # | #: | | _ |

Received by OCD: 4/6/2020 12:21:17 PM

Pace Analytical National Center for Testing & Innovation **Cooler Receipt Form** 1189076 COPTETRA Client: Cooler Received/Opened On: 2 Temperature: 113 / 20 Received By: Carol Kemp Signature: and emo NP Yes No **Receipt Check List** COC Seal Present / Intact? COC Signed / Accurate? Bottles arrive intact? Correct bottles used? Sufficient volume sent? If Applicable VOA Zero headspace? Preservation Correct / Checked?

Page 99 of 109

APPENDIX D Boring Logs

| 212 | C-M | D-02 | 2031 | | Ŀ | ETR/ | A TEC | н | | | | LOG OF BORING BH-1 | Page 1 of 1 |
|------------|------------------------------|--------|-----------------------------------|------------------------------|---------------------|----------------------|-------------------|--------------|------------------|-------------------|----------------|--|----------------------|
| roje | ect N | ame | e: Wilc | der 28-1 | I | | | | | | | | I |
| ore | hole | Loc | ation: | GPS: 32 | 2.019 | 069° | , -103 | 3.674 | 380° | | | Surface Elevation: ft | |
| ore | hole | Nur | nber: I | BH-1 | | | | | | E | Boreh Diame | ole teter (in.): 8 Date Started: 2/4/2020 Date Finished | I: 2/4/2020 |
| DEPTH (ft) | OPERATION TYPE | SAMPLE | CHLORIDE FIELD SCREENING (ppm) | VOC FIELD SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | ΓΙΩΝΙΣ ΓΙΜΙΤ | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | Remarks: | RY_ft REMARKS |
| Щ Д | Р | SA | ExStik | PID | SA | ¥ | В | LL | ΡI | Σ | GR GR | | |
| _ | $\langle \langle$ | Д | 609 | 0.9 | | | | | | | | -FILL- FILL MATERIAL; Brownish tan, with few gravel, poorly cemented, with no odor, with no | BH-1 (0'-1') |
| _ | | X | 472 | 1.1 | | | | | | | | Staining. -SM- SILTY SAND; Brownish tan, with few gravel, poorly cemented, with no odor, with no staining. | BH-1 (2'-3') |
| 5_ | | X | 201 | 1.2 | | | | | | | | -SM- SILTY SAND; Tan, with moderate gravel, heavily cemented, with no odor, with no staining. | BH-1 (4'-5') |
| _ | $\left\langle \right\rangle$ | X | 1150 | 0.2 | | | | | | | | | BH-1 (6'-7') |
| 0 | | X | | 0.1 | | | | | | | | Bottom of borehole at 10.0 feet. | <u>BH-1 (9'-10')</u> |
| | | | | | | | | | | | | | |
| | | | | | | | | | | | | | |

| | C-M | ID-0 | 02031 | T | b]T | ETR/ | A TEC | н | | | | LOG OF BORING BH-2 | age of 1 |
|------------|-------------------|--------|--|------------|---------------------|----------------------|-------------------|-------|--------------------|-------------------|-------------|---|-------------|
| Proje | ct N | lam | ne: Wild | der 28-1 | | | | | | | | | |
| 3ore | hole | Lo | cation: | GPS: 32 | 2.019 | 285° | , -103 | 3.674 | 521° | | | Surface Elevation: ft | |
| Bore | hole | Nu | umber: | BH-2 | | | | | | E | oreh | hole eter (in.): 8 Date Started: 2/4/2020 Date Finished: 2/4/20 | 20 |
| | | | ppm) | (mqt | ERY (%) | ENT (%) | t) | | DEX | | | WATER LEVEL OBSERVATIONS While Drilling <u>URY</u> ft Upon Completion of Drilling <u>URY</u> ft Remarks: | |
| DEPTH (ft) | OPERATION TYPE | SAMPLE | EX SCREENING (ppm) SCREENING (ppm) | UNCE FIELD | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | | D PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | MATERIAL DESCRIPTION | ARKS |
| | $\langle \rangle$ | X | 951 | 0.2 | | | | | | | | -FILL- FILL MATERIAL; Brownish tan, with few gravel, poorly cemented, with no odor, with no1 BH-2 (0'-1 | ') |
| | $\left< \right>$ | X | 508 | 1.8 | | | | | | | | -SM- SILTY SAND; Brownish tan, with few gravel, poorly cemented, with no odor, with no staining. BH-2 (2'-3 | 3') |
| 5 | $\left< \right>$ | X | 390 | 0.4 | | | | | | | | -SM- SILTY SAND; Tan, with moderate gravel, heavily cemented, with no odor, with no staining. BH-2 (4'-5 | 5') |
| | $\langle \rangle$ | X | | 0.9 | | | | | | | | BH-2 (6'-7 | ") |
| _ | $\langle \langle$ | | 7 | | | | | | | | | | |
| 0 | $\langle \langle$ | X | | 1.1 | | | | | | | | Bottom of borehole at 10.0 feet. | 0') |
| 10 | | | | 1.1 | | | | | | | | Bottom of borehole at 10.0 feet. | 0') |



| | C-MI | D-02 | 2031 | | ť | ETR/ | TEC | н | | | | LOG OF BORING BH-3 | | Page 1 of 1 |
|------------|------------------------------|--------|--|----------------------|---------------------|----------------------|-------------------|-------|------------------------------|-------------------|-----------------|--|------|-------------------------|
| Proje | ct N | ame | e: Wil | der 28- | 1 | | | | | | | | | |
| Boreł | no l e | Loc | ation: | GPS: 3 | 2.019 | 562° | -103 | 8.674 | 377° | | | Surface Elevation: ft | | |
| Boreł | no l e | Nun | nber: | BH-3 | | | | | | E | Boreho Diame | le er (in.): 8 Date Started: 2/4/2020 Date Finis | hed: | 2/4/2020 |
| | /PE | | FIELD 3 (ppm) | (mqq) € | NERY (%) | NTENT (%) | (pcf) | Т | , INDEX | | | WATER LEVEL OBSERVATIONS | DR | <u>/_</u> ft |
| DEPTH (ft) | OPERATION TYPE | SAMPLE | The second secon | D SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | | Development PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | MATERIAL DESCRIPTION | | REMARKS |
| | $\left\langle \right\rangle$ | X | 694 | 0.9 | | | | | | | | -FILL- FILL MATERIAL; Brownish tan, with few gravel, poorly cemented, with no odor, with no staining. | Bł | H-3 (0'-1') |
| _ | | X | 252 | 0.8 | | | | | | | | -SM- SILTY SAND; Brownish tan, with few gravel, poorly cemented, with no odor, with no staining. -SM- SILTY SAND; Tan, with moderate gravel, | Bł | H-3 (2'-3') |
| 5 | | X | 1130 | 1.3 | | | | | | | | heavily cemented, with no odor, with no staining. | Bł | H-3 (4'-5') |
| _ | | X | | 0.1 | | | | | | | | | Bł | H-3 (6'-7') |
| | | | | | | | | | | | 만난 | | | |
| _ 10 | | | | 0 | | | | | | | | Bottom of borehole at 10.0 feet. | Bł | 1-3 (9'-10') |
| 10 | | | | 0 | | | | | | | | | Bł | 1-3 (9'-10') |

| 2120 | C-ME | D-0 2 | 2031 | | ۲ ا | ETR | ΑΤΕ | сн | | | | L | og of Boring BH-4 | | | Page 1 of 1 |
|-------------|---------------------|--------------|--|----------------------------------|---------------------|----------------------|-------------------|----------------|--------------------|--------------------|----------------|--|--|---------|--------------|----------------|
| Proje | ct Na | ame | e: Wil | der 28- | 1 | | | | | | | | | | | I |
| orel | nole | Loc | ation: | GPS: 3 | 2.01 | 9335° | , - 103 | 3.674 | 254° | | | Surface Elevation | ft | | | |
| orel | nole | Nur | nber: | BH - 4 | | | | | | E | Boreh Diame | ole 8 eter (in.): | Date Started: 2/4/2020 | Date Fi | nishe | d: 2/4/2020 |
| | | | ۵Ê | Ê | (%) X | NT (%) | | | EX | | | V | VATER LEVEL OBSERVATIO | | <u>¥</u> C | DRY_ft |
| DEPTH (ft) | OPERATION TYPE | SAMPLE | The second secon | U VOC FIELD C SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | | | MINUS NO. 200 (%) | GRAPHIC LOG | | RIAL DESCRIPTION | | DEPTH (ft) | REMARKS |
| _ | $\langle \langle $ | X | 879 | 0.2 | | | | | | | | ⊈ gravel, poorly | ATERIAL; Brownish tan, with fe cemented, with no odor, with no | w | 1 | BH-4 (0'-1') |
| _ | | X | 501 | 0.1 | | | | | | | | staining. -SM- SILTY S poorly cement | AND; Brownish tan, with few gra ed, with no odor, with no staining | g. | | BH-4 (2'-3') |
| 5_ | | X | 291 | 0.6 | | | | | | | | -SM- SILTY S heavily cemer | AND; Tan, with moderate grave ted, with no odor, with no stainir | I, | _ | BH-4 (4'-5') |
| _ | | | | 1.2 | | | | | | | | | | - | _ | BH-4 (6'-7') |
| | | | | 0.3 | | | | | | | | | | - | — — 10 | BH-4 (9'-10') |
| | | | | | | | | | | | | | | | | |
| amp ype: | oler s: | | Split Spoon Shelby Bulk Sampl | | Acetat Vane | | r T | Dpera ∫ypes | :] Muc Rota | d ary ht Aug | s | | es: alytical samples are shown in the face elevation is an estimated v | | rks" (| column. |



| 2120 | C-MI |)- 02 | 031 | T | b]' | ETR | A TEC | н | | | | LOG OF BORING BH-5 Page 1 of 1 |
|---------------------------------------|------------------------------|--------------|-------------------------------------|------------|---------------------|----------------------|-------------------|-------|------------------------------|-------------------|----------------|--|
| Proje | ct Na | ame | : Wile | der 28-1 | 1 | | | | | | | |
| 3oreh | nole | Loca | ation: | GPS: 32 | 2.019 | 645° | , -103 | 3.674 | 156° | | | Surface Elevation: ft |
| Borehole Number: BH-5 Borehol Diamete | | | | | | | | | | E | Boreh Diame | ole eter (in.): 8 Date Started: 2/4/2020 Date Finished: 2/4/2020 |
| | | | D D | (mq | (%) ۲ | ENT (%) | | | DEX | | | WATER LEVEL OBSERVATIONS While Drilling \overline{V} DRY ft Upon Completion of Drilling \overline{V} DRY ft Remarks: \overline{V} DRY ft |
| DEPTH (ft) | OPERATION TYPE | SAMPLE | X CHLORIDE FIELD SCREENING (ppm) | UNCE FIELD | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | | Development PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | MATERIAL DESCRIPTION |
| | $\left\langle \right\rangle$ | X | 209 | 2 | | | | | | | | -FILL- FILL MATERIAL; Brownish tan, with few gravel, poorly cemented, with no odor, with no1 BH-5 (0'-1') staining. |
| _ | $\left\langle \right\rangle$ | X | 198 | 1.1 | | | | | | | | -SM- SILTY SAND; Brownish tan, with few gravel, poorly cemented, with no odor, with no staining. BH-5 (2'-3') |
| 5_ | | X | | 0.8 | | | | | | | | -SM- SILTY SAND; Tan, with moderate gravel, heavily cemented, with no odor, with no staining. BH-5 (4'-5') |
| _ | | X | | 0.3 | | | | | | | | BH-5 (6'-7') |
| 10 | $\langle \rangle$ | X | | 0.1 | | | | | | | | Bottom of borehole at 10.0 feet. |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

 Logger:
 Joe Tyler
 Drilling Equipment:
 Air Rotary
 Driller:
 Scarborough Drilling

 WILDER 28-1.GPJ ` 3-9-20 ` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT ` `
 Scarborough Drilling

| 212C - M | ID-C | 02031 | T | Ŀ | ETR/ | A TEC | н | | | | LOG OF BORING BH-6 | ge f 1 |
|---|--------|----------------|------------|---------------------|----------------------|-------------------|-------|------------------|-------------------|-------------|---|-------------|
| Project N | lam | ie: Wild | der 28-´ | 1 | | | | | | | | |
| Borehole | Lo | cation: | GPS: 32 | 2.019 | 004° | , -103 | 3.674 | 272° | | | Surface Elevation: ft | |
| Borehole | Nu | Imber: | BH-6 | | | | | | E | oreh | ole eter (in.): 2 Date Started: 2/7/2020 Date Finished: 2/7/202 | 20 |
| | | iLD ppm) | (mqc | ERY (%) | ENT (%) | ıf) | | IDEX | | | WATER LEVEL OBSERVATIONS While Drilling $\underline{\Psi}$ DRY ft Upon Completion of Drilling $\underline{\Psi}$ DRY ft Remarks: Ψ | |
| DEPTH (ft) OPERATION TYPE | SAMPLE | EXEENING (ppm) | UNCE FIELD | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | | PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | MATERIAL DESCRIPTION | RKS |
| _ | | 698 | 1.5 | | | | | | | | -SM- SILTY SAND; Brownish tan, with few gravel, moderately cemented, with no odor, with no staining. | |
| 5 | | | 0.9 | | | | | | | | - BH-6 (2'-3" -SM- SILTY SAND; Tan, with moderate gravel, heavily cemented, with no odor, with no staining. BH-6 (4'-5" | |
| | X | 225 | 0.3 | | | | | | | | BH-6 (6'-7') | 1 |
| | | | | | | | | | | | | |
| <u>10 </u> | | 208 | 0.5 | | | | | | | | Bottom of borehole at 10.0 feet. |)' <u>)</u> |
| <u>10 </u> | | 208 | 0.5 | | | | | | | | Bottom of borehole at 10.0 feet. |)) |

| 212 | C-MI | D- 02 | 2031 | T | t]' | ETR | A TEC | сн | | | | LOG OF BORING BH-7 | Page 1 of 1 |
|-------------|--------------------|--------------|--|----------------------|---------------------|------------------------|-------------------|--------------------|------------------------------|--------------------|-----------------|---|----------------|
| ⊃roje | ect Na | ame | e: Wil | der 28-´ | 1 | | | | | | | | |
| Bore | ho l e | Loc | ation: | GPS: 32 | 2.019 | 9094° | , -103 | 3.674 | 670° | | | Surface Elevation: ft | |
| Bore | hole | Nun | nber: | BH-7 | | | | | | E | Boreho Diame | ole 2 Date Started: 2/7/2020 Date Finished: 2/ | 7/2020 |
| | | | ۵Ê | (E | ۲ (%) | NT (%) | | | EX | | | WATER LEVEL OBSERVATIONS While Drilling $\underline{\nabla}$ DRY ft Upon Completion of Drilling $\underline{\Psi}$ DRY f Remarks: | t |
| DEPTH (ft) | OPERATION TYPE | SAMPLE | THORIDE FIELD SCREENING (ppm) | D SCREENING (ppm) | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | | Development PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | MATERIAL DESCRIPTION | REMARKS |
| _ | | X | 155 | 0.9 | | | | | | | | -SM- SILTY SAND; Brownish tan, with few gravel, moderately cemented, with no odor, with no staining. | (0'-1') |
| _ | | | | 0.5 | | | | | | | | -SM- SILTY SAND; Tan, with moderate gravel, | (2'-3') |
| 5 | | | 1080 | 0.3 | | | | | | | | with no odor, with no staining. HC _ BH-7 | (4'-5') |
| _ | | X | | 0.9 | | | | | | | | BH-7 | (6'-7') |
| | $\left\{ \right\}$ | X | 472 | 1.1 | | | | | | | | Bottom of borehole at 10.0 feet. | (9'-10') |
| | | | | | | | | | | | | | |
| Sam Type | pler s: | | Split Spoor Shelby Bulk Samp | <i>،</i> ا | | e Line Shear mia | r T | Opera ypes □ | Muc Rota | l ary tinuou | 5 | Auger Notes: Air Rotary Analytical samples are shown in the "Remarks" colum Surface elevation is an estimated value. | |

Driller: Scarborough Drilling

 Logger:
 Joe Tyler
 Drilling Equipment: Air Rotary
 Driller:

 WILDER 28-1.GPJ ` 3-9-20 ` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT '
 Driller:
 Driller:

| 212 | C-M | D-02 | 2031 | T | b]T | ETR | A TEC | СН | | | | LOG OF BORING BH-8 | Page 1 of 1 |
|--------------|---------------------------|--------|--|------------|---------------------|------------------------|-------------------|-------|------------------------------|---------------------------|-----------------|---|---------------------|
| ⊃roje | ect N | ame | e: Wilc | der 28-1 | 1 | | | | | | | l. | |
| Bore | ho l e | Loc | ation: | GPS: 32 | 2.019 | 9575° | , -103 | 3.674 | 612° | | | Surface Elevation: ft | |
| Bore | ho l e | Nur | nber: I | BH-8 | | | | | | E | Boreho Diame | ble ter (in.): 2 Date Started: 2/7/2020 Date Finished: 2 | :/7/2020 |
| | | | dpm) | (mqt | ERY (%) | ENT (%) | ţ) | | IDEX | | | WATER LEVEL OBSERVATIONS While Drilling <u>V DRY</u> ft Upon Completion of Drilling <u>V DRY</u> Remarks: | ft |
| DEPTH (ft) | OPERATION TYPE | SAMPLE | XX CHLORIDE FIELD SCREENING (ppm) | UNCE FIELD | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | | Development PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | MATERIAL DESCRIPTION | REMARKS |
| _ | $\left\{ \right\}$ | X | 733 | 1.9 | | | | | | | | -SM- SILTY SAND; Brownish tan, with few gravel, moderately cemented, with no odor, with no staining. | 8 (0'-1') |
| _ | $\langle \rangle$ | X | 293 | 0.8 | | | | | | | | -SM- SILTY SAND; Tan, with moderate gravel, | 8 (2'-3') |
| 5 | | | | 0.5 | | | | | | | | with no odor, with no staining. HC | 8 (4'-5') |
| _ | $\langle \langle \rangle$ | X | 350 | 0.4 | | | | | | | | ВН- | 8 (6'-7') |
| _ 10_ | | X | | 0.1 | | | | | | | | Bottom of borehole at 10,0 feet, | 8 (9' - 10') |
| | | | | | | | | | | | | | |
| Samı Type | pler s: | | Split Spoon Shelby Bulk Sample Grab Sample | | | e Line Shear nia | r T | Dpera | Muc Rota | ary itinuou ht Auge | s er | Auger Notes: Air Rotary Analytical samples are shown in the "Remarks" colur Direct Push Direct Push | nn. |

 Logger:
 Joe Tyler
 Drilling Equipment:
 Air Rotary
 Driller:
 Scarborough Drilling

 WILDER 28-1.GPJ ` 3-9-20 ` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT ` `
 Scarborough Drilling

| 212C-MD-02031 TETRA TECH Project Name: Wilder 28-1 | | | | | | | | | | | | LOG OF BORING BH-9 | | | | | Page 1 of 1 |
|--|------------------------------|--------|----------------|------------|---------------------|----------------------|-------------------|-----------|--------------------|-------------------|-------------|--|--|----------------------------------|-------|------------|----------------|
| - | | | | der 28-1 | | | | | | | | | | | | | |
| ore | hole | Loc | | GPS: 32 | 2.019 | 800° | , -103 | 3.674 | 392° | | | Surface Elevatio | | | | | |
| ore | ho l e | Nu | mber: | BH-9 | 1 | 1 | | 1 | 1 | | Diame | ole ter (in.): 2 | Date Started: 2 | | | inishe | d: 2/7/2020 |
| | | | (mdi | (mq | ۲ (%) | ENT (%) | Û. | | DEX | (9 | | | WATER LEVEL(<u>☑ DRY</u> ft Upor | | | <u>¥</u> [| <u>DRY_</u> ft |
| ИЕРТН (П) | OPERATION TYPE | SAMPLE | EXERTING (ppm) | UNCE FIELD | SAMPLE RECOVERY (%) | MOISTURE CONTENT (%) | DRY DENSITY (pcf) | | D PLASTICITY INDEX | MINUS NO. 200 (%) | GRAPHIC LOG | MAT | ERIAL DESCRIF | PTION | | DEPTH (ft) | REMARKS |
| _ | $\langle \rangle$ | X | 481 | 0.2 | | | | | | | | -SM- SILTY moderately of staining. | SAND; Brownish t emented, with no o | an, with few gr odor, with no | avel, | _ | BH-9 (0'-1') |
| | $\left\langle \right\rangle$ | X | 290 | 0.1 | | | | | | | | -SM- SILTY | SAND; Tan, with r | moderate grave | | 3.5 | BH-9 (6'-7') |
| 5_ | $\left \right\rangle$ | X | | 0 | | | | | | | | with no odor | with no staining. I | HC | , | _ | BH-9 (4'-5') |
| _ | $\langle \rangle$ | X | | 0.9 | | | | | | | | | | | | _ | BH-9 (6'-7') |
| - | $\langle \langle \rangle$ | X | | 0.5 | | | | | | | | | ttom of borehole a | | | | BH-9 (9'-10') |
| | | | | | | | | | | | | | | | | | |
| | | | Split Spoon | | | | r C |) pera | tion | | | Auger No | | | | | |

 Logger:
 Joe Tyler
 Drilling Equipment:
 Air Rotary
 Driller:
 Scarborough Drilling

 WILDER 28-1.GPJ ` 3-9-20 ` TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT ` `
 TT_AUSTIN_GEOTECH_NOWELL3 ` 2015 TT TEMPLATE DECEMBER WELL.GDT ` `