# SITE INFORMATION



## Report Type: Closure NRM2019933917

| General Site Information: | | | | | | |
|---|---|---|---|---|---|---|
| **Site:** | VGEU 02-20 East Flowline Release | | | | | |
| **Company:** | ConocoPhillips | | | | | |
| **Section, Township and Range** | Unit Letter D | Sec. 32 | T 17S | R 35 E | | |
| **Lease Number:** | Associated API No. 30-025-37850 | | | | | |
| **County:** | Lea | | | | | |
| **GPS:** | 32.796160° | | | -103.485046° | | |
| **Surface Owner:** | State | | | | | |
| **Mineral Owner:** | State | | | | | |
| **Directions:** | Depart from Buckeye, NM (TX-238 and Buckeye Rd.). Head east on Buckeye Rd. for 1.2 miles. Turn right onto Jay Ln. Head south for 0.2 miles. Site is 100' east of lease road. | | | | | |

| Release Data: | | |
|---|---|---|
| *Date Released:* | 6/29/2020 | |
| *Type Release:* | Produced Water/Oil | |
| *Source of Contamination:* | Flowline rupture | |
| *Fluid Released:* | 20 bbls | |
| *Fluids Recovered:* | 0 bbls | |

| Official Communication: | | | |
|---|---|---|---|
| *Name:* | Sam Widmer | Christian Llull | Ryan Mann |
| *Company:* | Conoco Phillips - RMR | Tetra Tech | New Mexico State Land Office |
| *Address:* | 935 N. Eldridge Pkwy. | 8911 North Capital of Texas Hwy | 2827 N. Dal Paso Suite 117 |
| | | Building 2, Suite 2310 | Hobbs, NM 88240 |
| *City:* | Houston, Texas 77079 | Austin, Texas | Office: (575) 392-3697 |
| *Phone number:* | 281-206-5298 | (512) 338-2861 | Cell: (505) 699-1989 |
| *Fax:* | | | |
| *Email:* | Sam.Widmer@conocophillips.com | christian.llull@tetratech.com | rmann@slo.state.nm.us |

| Site Characterization | |
|---|---|
| ***Shallowest Depth to Groundwater:*** | *95' below surface* |
| ***Impact to groundwater or surface water:*** | *No* |
| ***Extents within 300 feet of a watercourse:*** | *No* |
| ***Extents within 200 feet of lakebed, sinkhole, or playa lake:*** | *No* |
| ***Extents within 300 feet of an occupied structure:*** | *No* |
| ***Extents within 500 horizontal feet of a private water well:*** | *No* |
| ***Extents within 1000 feet of any water well or spring:*** | *No* |
| ***Extents within incorporated municipal well field:*** | *No* |
| ***Extents within 300 feet of a wetland:*** | *No* |
| ***Extents overlying a subsurface mine:*** | *No* |
| ***Karst Potential:*** | *Low* |
| ***Extents within a 100-year floodplain:*** | *No* |
| ***Impact to areas not on a production site:*** | *No* |

| Recommended Remedial Action Levels (RRALs) | | | |
|---|---|---|---|
| ***Benzene*** | ***Total BTEX*** | ***TPH (GRO+DRO+MRO)*** | ***Chlorides*** |
| *10 mg/kg* | *50 mg/kg* | *2,500 mg/kg* | *10,000 mg/kg* |

| Reclamation Requirements | | | | |
|---|---|---|---|---|
| | | | ***TPH (GRO+DRO+MRO)*** | ***Chloride*** |
| | | | *100 mg/kg* | *600 mg/kg* |

TETRA TECH

November 1, 2021

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

**Re: Closure Report**
**ConocoPhillips**
**VGEU 02-20 East Flowline Release**
**Unit Letter D, Section 32, Township 17 South, Range 35 East**
**Lea County, New Mexico**
**Incident ID NRM2019933917**

Dear Sir or Madam:

Tetra Tech, Inc. (Tetra Tech) was contacted by ConocoPhillips (COP) to assess a release that occurred from the flowline of the Vacuum Glorieta East Unit (VGEU) 02-20 well (API No. 30-025-37850), Approximately 2,000 feet west-northwest of the wellhead. The release footprint is located in Public Land Survey System (PLSS) Unit Letter D, Section 32, Township 17 South, Range 35 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.796160°, -103.485046° as shown in Figures 1 and 2.

## BACKGROUND

According to the State of New Mexico C-141 Initial Report (Appendix A), the VGEU 02-20 East Flowline release was discovered on June 29, 2020. The release occurred as the result of a flowline rupture and encompasses an estimated area of 1,512 square feet. Approximately 16.0 barrels (bbls) of produced water and 4.0 bbls of oil were reported released, of which 0.0 bbls of produced water and 0.0 bbls of oil were recovered. The New Mexico Oil Conservation District (NMOCD) received the C-141 report form for the release on July 10, 2020. The NMOCD incident ID for the release is NRM2019933917.

## SITE CHARACTERIZATION

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

According to the New Mexico Office of the State Engineers (NMOSE) reporting system, there are four water wells within ½ mile (800m) of the Site with an average depth to groundwater of 102 feet below ground surface (bgs). The site characterization data is included in Appendix B.

## REGULATORY FRAMEWORK

Based upon the release footprint and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action

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

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

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

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

| Constituent | Reclamation Requirements |
|---|---|
| **Chloride** | 600 mg/kg |
| **TPH** | 100 mg/kg |
| **BTEX** | 50 mg/kg |

## INITIAL RESPONSE AND REMEDIAL ACTIVITIES

In accordance with 19.15.29.8. B. (4) NMAC that states “the responsible party may commence remediation immediately after discovery of a release”, ConocoPhillips elected to begin remediation of the impacted area in 2020. In July of 2020, the release area was partially excavated to depths of 12 inches bgs to 18 inches bgs. Figure 3 depicts the release extent and excavated area.

## INITIAL ASSESSMENT ACTIVITIES AND SAMPLING RESULTS

As a portion of the initial response, on July 16, 2020, COP personnel collected a total of thirty-three (33) soil samples from twenty-seven (27) sample locations. Surface soil samples were collected at SP #1 through SP #24 within the excavated area and at Background-N, Background-S and Background-E outside the excavated area. At SP #1A through SP #3A, samples were collected at both 1-foot bgs and 2 feet bgs within the existing excavation. These soil samples were sent to Cardinal Laboratories in Hobbs, New Mexico to be analyzed for chloride via EPA Method SM45000Cl-B, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B. Sample locations are shown in Figure 3.

Analytical results associated with twenty-four (24) sample locations exceeded the delineation concentration of 600 mg/kg chloride required by NMOCD regulations. The analytical results associated with Background-E exceeded the reclamation concentration for TPH (100 mg/kg). Analytical results associated with sample location Background- and Background-S were below all Site RRALs. There were no detections of benzene in any of the analyzed samples. Sample results from the initial assessment are summarized in Table 1. Partial horizontal delineation of the release (to the north and south) was achieved during this assessment. Vertical delineation was not achieved during the initial assessment.

## ADDITIONAL SITE ASSESSMENT AND SAMPLING RESULTS

In order to complete horizontal and vertical delineation of the release extent, Tetra Tech personnel conducted soil sampling on January 18, 2021 on behalf of ConocoPhillips. A total of six (6) borings (BH-1 through BH-6) were installed using an air rotary drilling rig. Two (2) borings (BH-1 and BH-2) were installed within the release extent to depths of 20 feet bgs and 10 feet bgs, respectively, to achieve vertical delineation. The remaining 4 borings (BH-3 through BH-6) were installed along the perimeter of the release

extent to a depth of 10 feet bgs to achieve horizontal delineation. Figure 4 depicts the release extent, excavated area and the January 2021 soil boring locations.

A total of twenty-six (26) samples were collected from the six (6) borings and submitted to Pace Analytical (Pace) to be analyzed for chlorides via EPA Method 300.0, TPH via EPA Method 8015M, and BTEX via EPA Method 8021B.

Results from the January 2021 soil sampling event are summarized in Table 2. The analytical results associated with the BH-1 sample location exceeded the chloride reclamation requirement of 600 mg/kg in the 2-3' sample interval. There were no other analytical results which exceeded the chloride RRAL and reclamation requirement during the additional assessment. The analytical results associated with the remainder of the samples analyzed were below the BTEX and/or TPH Site RRALs of 50 mg/kg and 100 mg/kg, respectively.

## REMEDIATION WORK PLAN AND ALTERNATIVE CONFIRMATION SAMPLING PLAN

The Release Characterization Work Plan (Work Plan) was prepared by Tetra Tech on behalf of ConocoPhillips and submitted to NMOCD on May 13, 2021 with fee application payment PO Number LX8OI-210513-C-1410. The Work Plan described the results of the release assessment and provided characterization of the impact at the site. The Work Plan was approved via email by Chad Hensley on Tuesday, June 29, 2021 with the following condition:

- *Please collect confirmation samples representing no more than 200 square feet, unless Conoco chooses to provide a sampling plan for approval prior to conduction additional sampling*.

Mr. Hensley also executed page 5 of the C-141 form included with the Work Plan. As an alternative confirmation sampling plan had been submitted with the Work Plan, Mr. Hensley was contacted via telephone. Mr. Hensley informed Tetra Tech that the Work Plan was approved as written, and that the Alternative Confirmation Sampling Plan initially provided with the Work Plan was indeed approved by NMOCD.

## REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

From September 16 to September 29, 2021, Tetra Tech personnel were onsite to supervise the remediation activities proposed in the approved Work Plan, including excavation, disposal, and confirmation sampling. Impacted soils were excavated until a representative sample from the walls and bottom of the excavation had a field screening value inferred as lower than the RRALs for the Site. Once field screening was completed, confirmation floor and sidewall samples were collected for laboratory analysis to verify that the impacted materials were properly removed. Each confirmation sample laboratory analytical result was directly compared to the proposed RRALs to demonstrate compliance.

Per the approved Alternative Confirmation Sampling Plan, confirmation samples were collected such that each discrete sample (sidewall and floor) were representative of no more than 500 square feet of excavated area. A total of ten (10) floor sample locations and thirteen (13) sidewall sample locations were collected during the remedial activities. Confirmation sidewall sample locations were categorized with the cardinal direction (N, E, S, W) followed by SW-#. Confirmation floor sample locations were labeled with "FS"-#. Excavated areas, depths and confirmation sample locations are shown in Figure 5.

Collected confirmation samples to be submitted for analysis were placed into laboratory-provided sample containers, transferred under chain-of-custody, and analyzed within appropriate holding times by Pace. The soil samples were analyzed for TPH (DRO and ORO) by EPA Method 8015, TPH Low Fraction (GRO) by EPA Method 8015D, BTEX by EPA Method 8260B, and chlorides by EPA Method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C.

Based on field screening values, the majority of the impacted area was excavated to 4 feet below pre-release grade, the western portion was excavated to 3 feet below pre-release grade, the northern portion

was excavated to 1 foot below pre-release grade and a small area in the southeastern portion of the release footprint was excavated to 2 feet below pre-release grade. Due to elevated field screening values at a depth of 2 feet near the proposed CSW-1 sample location, additional excavation was performed to 4 feet below pre-release grade at this location and the CSW-1 sample was no longer needed and therefore, not collected. An additional confirmation floor sample (FS-10) was collected in the northern portion of the excavated area to confirm that the impacted material was removed at 1 foot below pre-release grade. All final confirmation soil samples (floor and sidewall) were below the respective RRALs and reclamation requirements for chloride, BTEX, and TPH. The results of the September 2021 confirmation sampling events are summarized in Table 3.

All the excavated material was transported offsite for proper disposal. Approximately 489 cubic yards of material were transported to the R360 facility in Hobbs, New Mexico. Photographs from the excavated areas prior to backfill are provided in Appendix D. Once confirmation sampling activities were completed and associated analytical results were below the RRALs, the excavated areas were backfilled with clean material to surface grade. Copies of the waste manifests are included in Appendix E.

## RECLAMATION

As prescribed in the Work Plan, the backfilled areas were seeded in September 2021 to aid in revegetation. Based on the soils at the site and the approved Work Plan, the New Mexico State Land Office (NMSLO) Sandy Loam (SL) Sites Seed Mixture was used for seeding and planted in the amount specified in the pounds pure live seed (PLS) per acre.

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

## CONCLUSION

ConocoPhillips respectfully requests closure of this release based on the confirmation sampling results and remediation activities performed. The final C-141 forms are enclosed in Appendix A. If you have any questions concerning the remediation activities for the Site, please call me at (512) 217-7254 or Christian at (512) 338-2861.

Sincerely,
**Tetra Tech, Inc.**

Ryan C. Dickerson
Project Manager

Christian M, Llull, P.G.
Program Manager

cc:
Mr. Sam Widmer, RMR – ConocoPhillips

## LIST OF ATTACHMENTS

**Figures:**

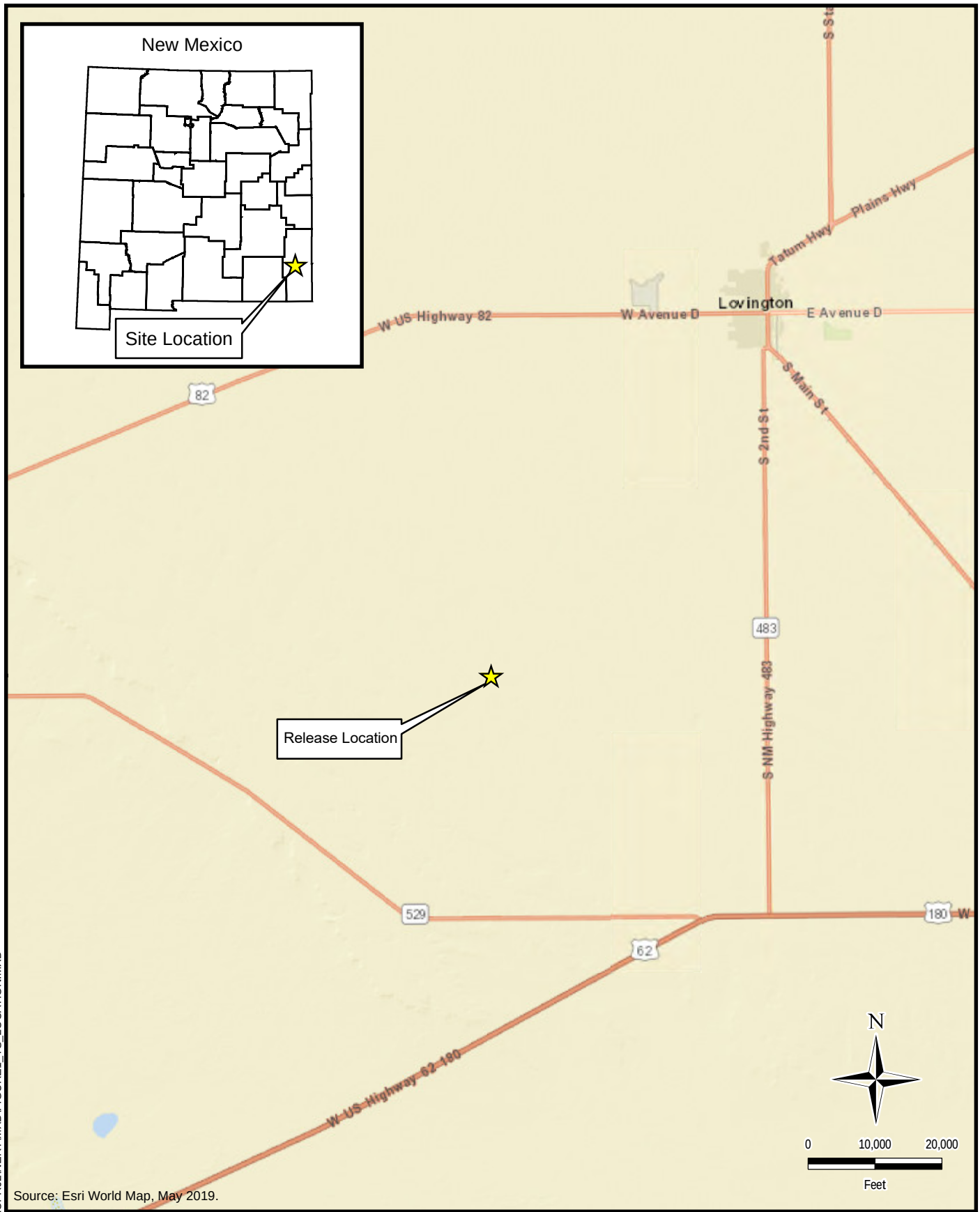


**Tables:**



**Appendices:**

# FIGURES




Source: Esri World Map, May 2019.

\\TTS134FS1\SUP-GIS\ARCPRJ2\NERT\MXD\FIGURE1_TS_LOCATION.MXD

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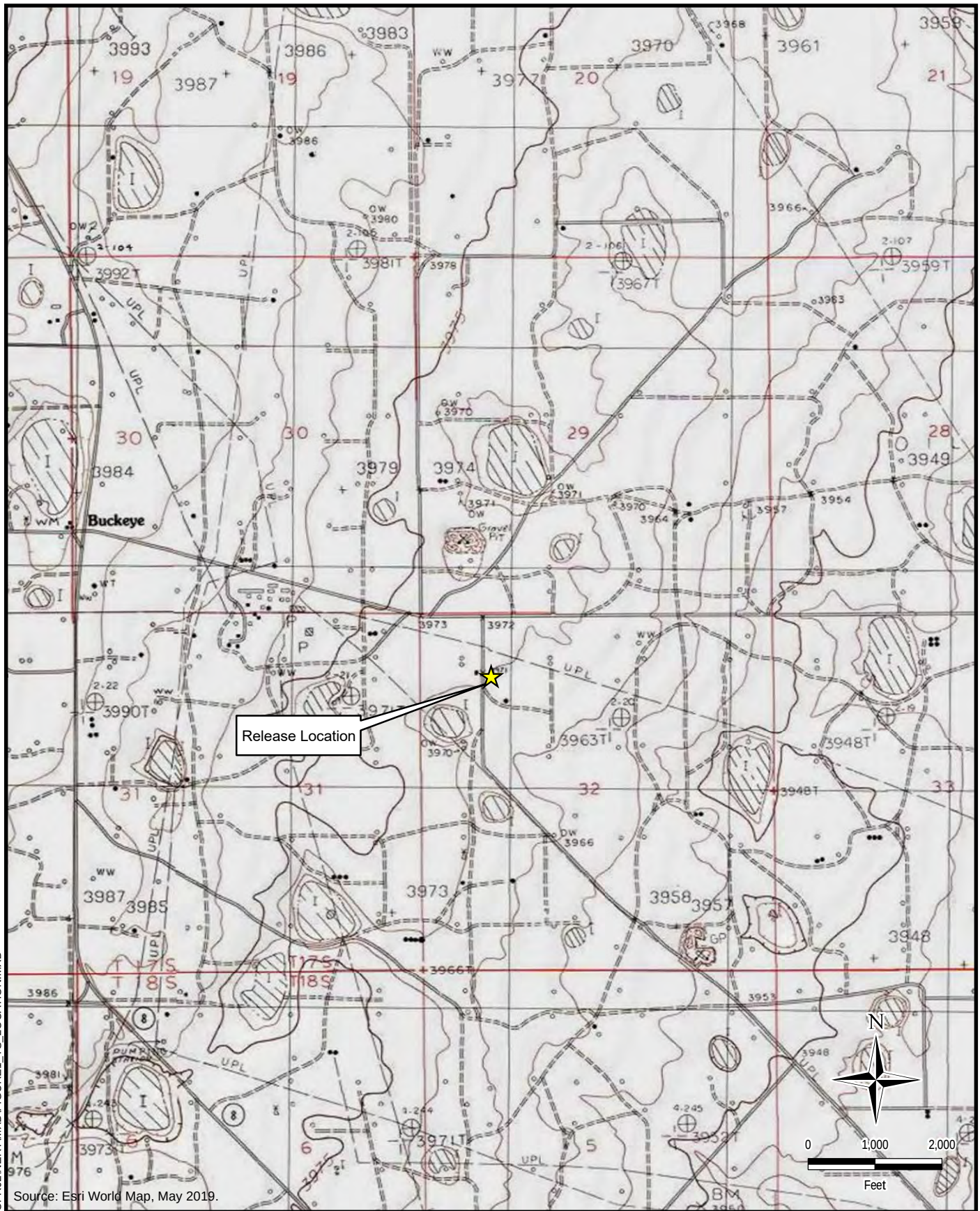
**CONOCOPHILLIPS**

INCIDENT ID NRM2019933917
(32.796160°, -103.485046°)
LEA COUNTY, NEW MEXICO

**VGEU 02-20 EAST FLOWLINE RELEASE**
OVERVIEW MAP

| | |
|---|---|
| PROJECT NO.: | 212C-MD-02305 |
| DATE: | OCTOBER 27, 2020 |
| DESIGNED BY: | AAM |

Figure No.
**1**




Source: Esri World Map, May 2019.

\\TTS134FS1\SUP-GIS\ARCPRJ2\INERT\MXD\FIGURE1_TS_LOCATION.MXD

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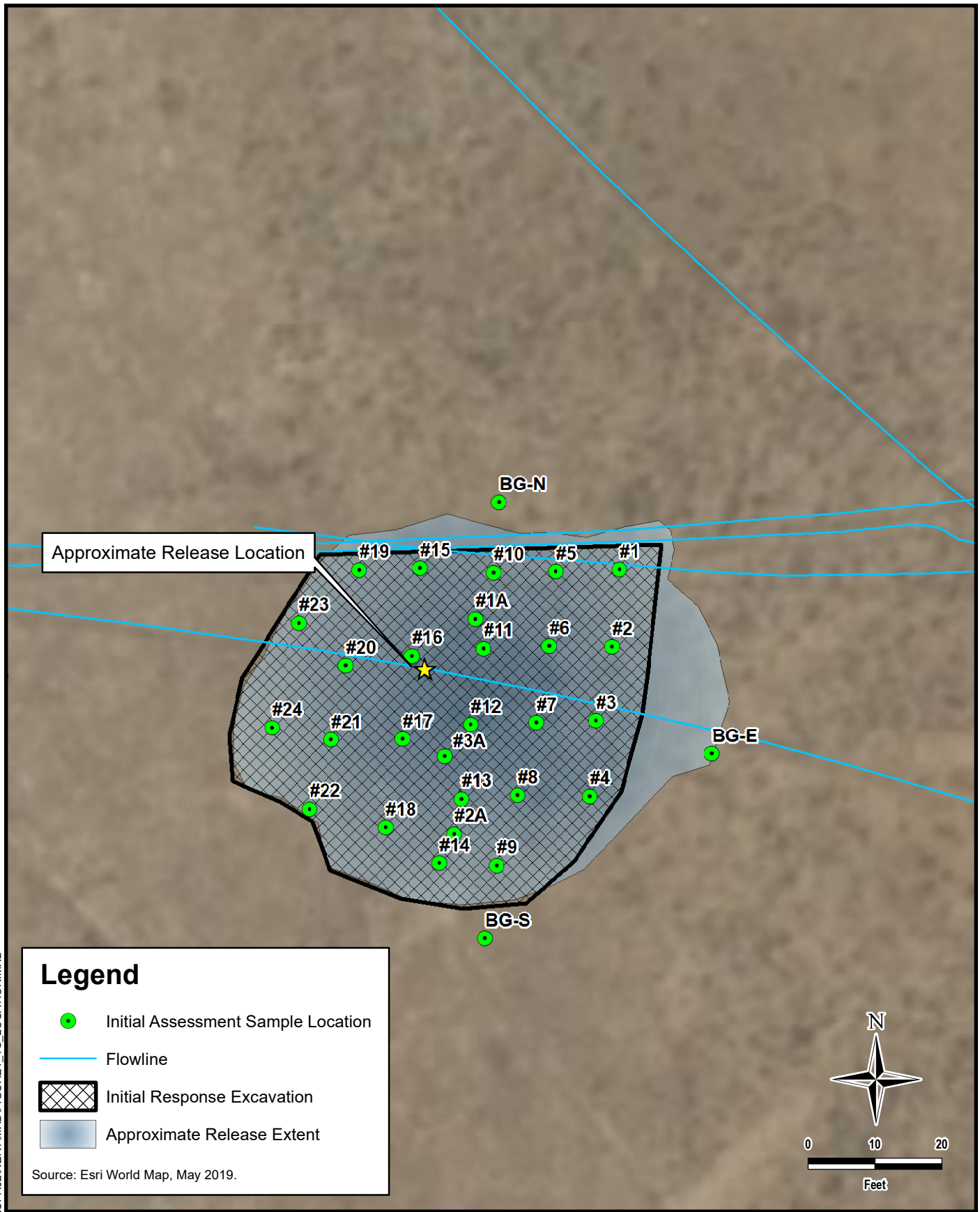
**CONOCOPHILLIPS**

INCIDENT ID NRM2019933917
(32.796160°, -103.485046°)
LEA COUNTY, NEW MEXICO

**VGEU 02-20 EAST FLOWLINE RELEASE**
TOPOGRAPHIC MAP

| | |
|---|---|
| PROJECT NO.: | 212C-MD-02305 |
| DATE: | OCTOBER 27, 2020 |
| DESIGNED BY: | AAM |

Figure No.
**2**




\\TTS134FS1\SUP-GIS\ARCPRJ2\NERT\MXD\FIGURE1_TS_LOCATION.MXD

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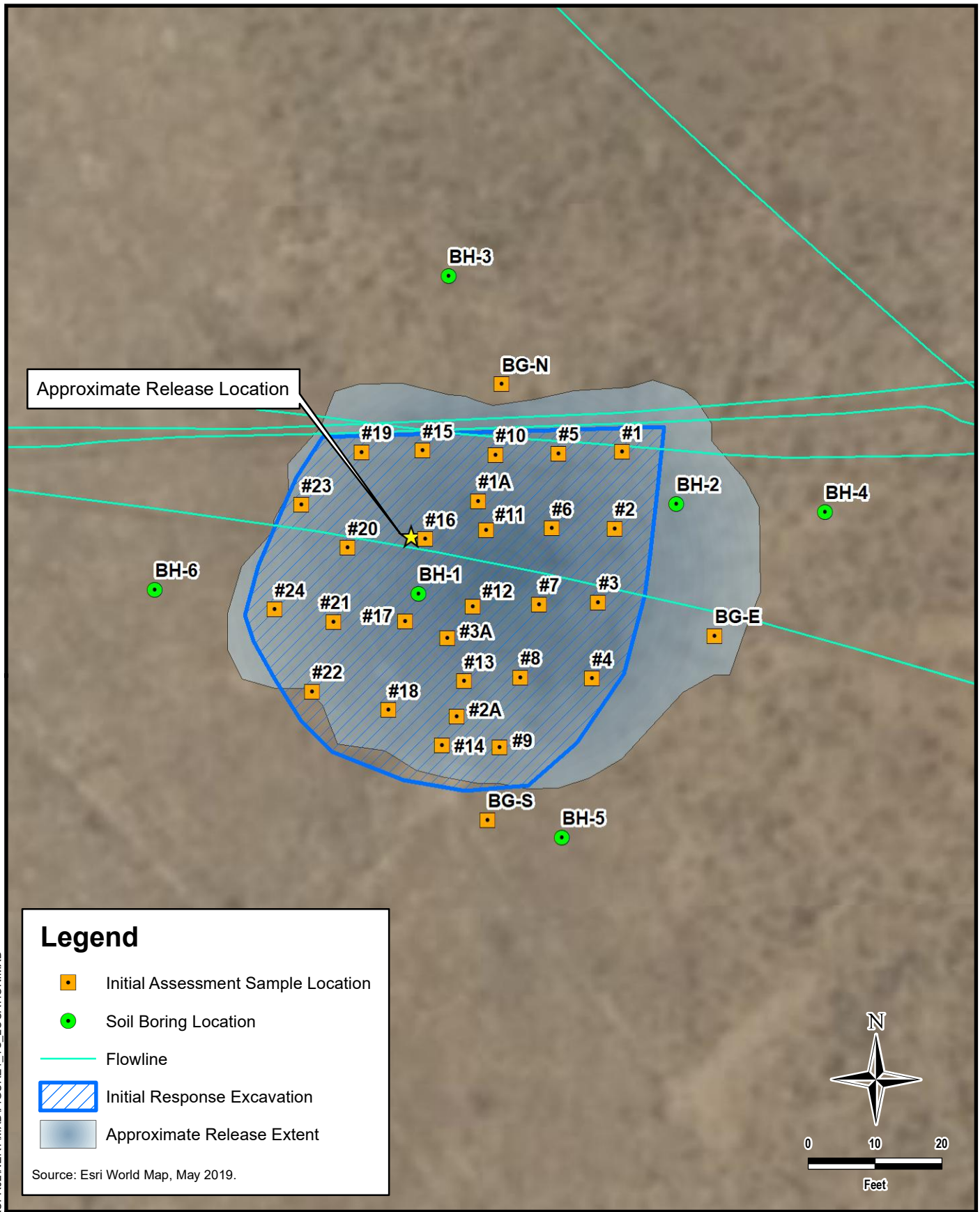
**CONOCOPHILLIPS**

INCIDENT ID NRM2019933917 (6/29/2020)
(32.796160°, -103.485046°)
LEA COUNTY, NEW MEXICO

**VGEU 02-20 EAST FLOWLINE RELEASE**
**APPROXIMATE RELEASE EXTENT AND INITIAL ASSESSMENT MAP**

| | |
|---|---|
| PROJECT NO.: | 212C-MD-02305 |
| DATE: | OCTOBER 29, 2020 |
| DESIGNED BY: | AAM |

Figure No.
**3**




\\TTS134FS1\SUP-GIS\ARCPRJ2\NERT\MXD\FIGURE1_TS_LOCATION.MXD

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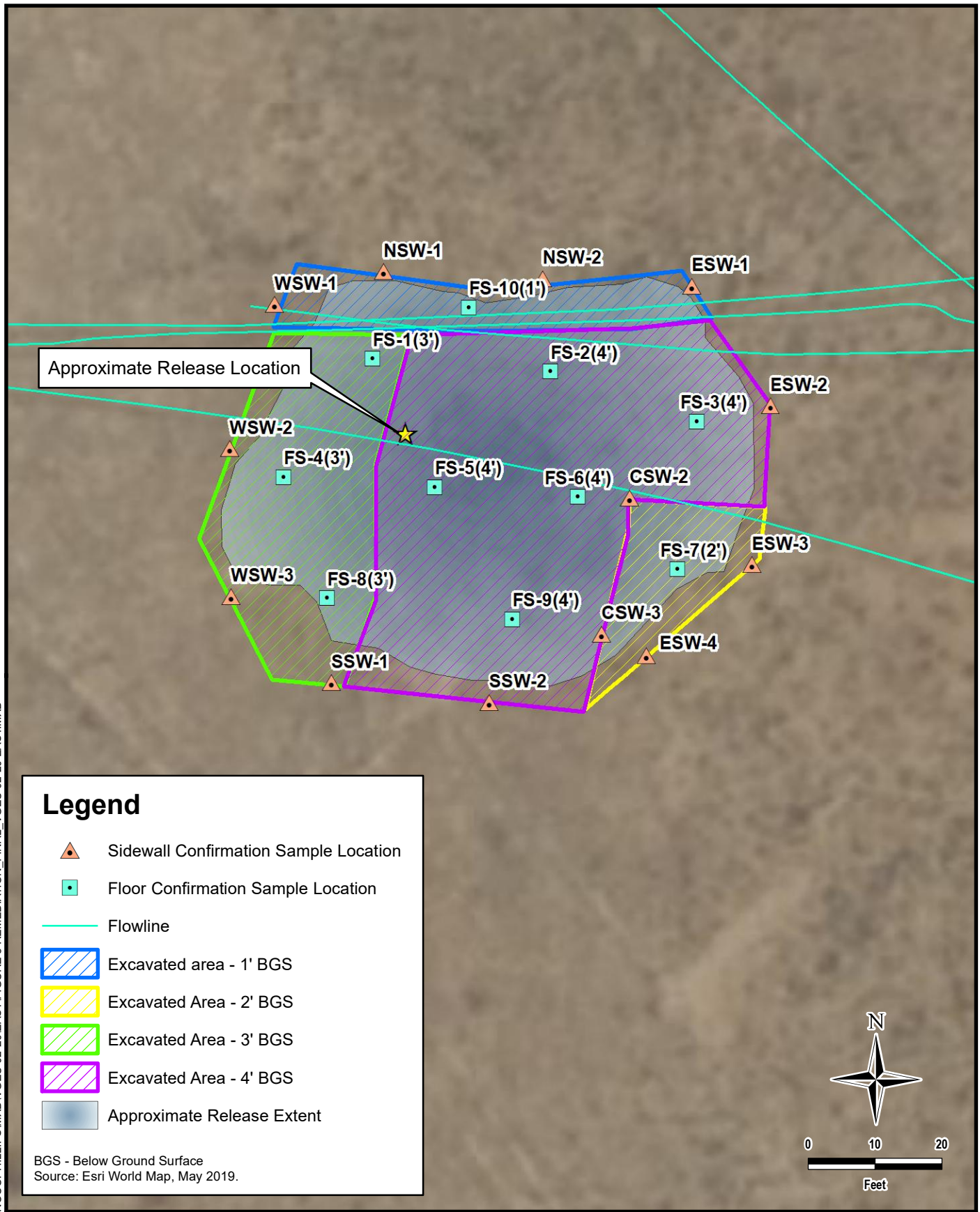
CONOCOPHILLIPS

INCIDENT ID NRM2019933917 (6/29/2020)
(32.796160°, -103.485046°)
LEA COUNTY, NEW MEXICO

**VGEU 02-20 EAST FLOWLINE RELEASE**
**RELEASE ASSESSMENT MAP**

| | |
|---|---|
| PROJECT NO.: | 212C-MD-02305 |
| DATE: | APRIL 08, 2021 |
| DESIGNED BY: | AAM |

Figure No.
**4**




DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\VGEU 02-20EAST\FIGURE 5 REMEDIATION_FINAL_VGEU 02-20 EAST.MXD

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CONOCOPHILLIPS

INCIDENT ID NRM2019933917 (6/29/2020)
(32.796160°, -103.485046°)
LEA COUNTY, NEW MEXICO

**VGEU 02-20 EAST FLOWLINE RELEASE**
**REMEDIATION EXTENTS AND CONFIRMATION SAMPLING LOCATIONS**

| | |
|---|---|
| PROJECT NO.: | 212C-MD-02305 |
| DATE: | SEPTEMBER 30, 2021 |
| DESIGNED BY: | AAM |

Figure No.
**5**

# TABLES

# TABLE 1
## SUMMARY OF ANALYTICAL RESULTS
## INITIAL SOIL ASSESSMENT - nRM2019933917
## CONOCOPHILLIPS
## VGEU 02-20 EAST FLOWLINE RELEASE
## LEA COUNTY, NM

| Sample ID | Sample Date | Sampled Depth | Chloride[1] | | BTEX[2] | | | | | | | | TPH[3] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | GRO[4] $C_3$ - $C_{10}$ | | DRO $C_{10}$ - $C_{28}$ | | ORO $C_{28}$ - $C_{40}$ | | Total TPH |
| | | ft. bgs | 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 |
| SP #1 | 7/16/2020 | - | ***7,730*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #2 | 7/16/2020 | - | ***8,640*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #3 | 7/16/2020 | - | ***17,200*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 535 | | 129 | | ***664*** |
| SP #4 | 7/16/2020 | - | ***10,800*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 37.6 | | 15.0 | | 52.6 |
| SP #5 | 7/16/2020 | - | ***11,600*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #6 | 7/16/2020 | - | ***14,000*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 128 | | 33.8 | | ***162*** |
| SP #7 | 7/16/2020 | - | ***22,600*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 275 | | 69.2 | | ***344*** |
| SP #8 | 7/16/2020 | - | ***14,000*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 284 | | 76.9 | | ***361*** |
| SP #9 | 7/16/2020 | - | ***11,000*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #10 | 7/16/2020 | - | ***16,800*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 50.8 | | 15.1 | | 65.9 |
| SP #11 | 7/16/2020 | - | ***14,400*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 252 | | 77.3 | | ***329*** |
| SP #12 | 7/16/2020 | - | ***14,800*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 165 | | 48.4 | | ***213*** |
| SP #13 | 7/16/2020 | - | ***11,800*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 62.3 | | 22.3 | | 84.6 |
| SP #14 | 7/16/2020 | - | ***14,100*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #15 | 7/16/2020 | - | ***10,000*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 105 | | 27.5 | | ***133*** |
| SP #16 | 7/16/2020 | - | ***15,000*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 136 | | 37.4 | | ***173*** |
| SP #17 | 7/16/2020 | - | ***13,200*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 128 | | 33.2 | | ***161*** |
| SP #18 | 7/16/2020 | - | ***9,860*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #19 | 7/16/2020 | - | ***5,280*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 13.0 | | 10.1 | | 23.1 |
| SP #20 | 7/16/2020 | - | ***28,800*** | | < 0.050 | | 0.065 | | 0.109 | | 0.230 | | 0.404 | 10.2 | | 3,220 | | 824 | | ***4,044*** |
| SP #21 | 7/16/2020 | - | ***13,000*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 426 | | 105 | | ***531*** |
| SP #22 | 7/16/2020 | - | ***10,400*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #23 | 7/16/2020 | - | ***13,400*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 542 | | 138 | | ***680*** |
| SP #24 | 7/16/2020 | - | ***2,560*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #1A | 7/30/2020 | 1.0 | ***2,000*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #1A | 7/30/2020 | 2.0 | ***1,200*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #2A | 7/30/2020 | 1.0 | ***2,480*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #2A | 7/30/2020 | 2.0 | ***5,440*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #3A | 7/30/2020 | 1.0 | ***3,360*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| SP #3A | 7/30/2020 | 2.0 | ***3,000*** | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| Background-S | 7/30/2020 | - | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |
| Background-E | 7/30/2020 | - | 240 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | 149 | | 33.5 | | ***183*** |
| Background-N | 7/30/2020 | - | 32.0 | | < 0.050 | | < 0.050 | | < 0.050 | | < 0.150 | | < 0.300 | < 10.0 | | < 10.0 | | < 10.0 | | < 10.0 |

NOTES:

| | |
|---|---|
| ft. | Feet |
| bgs | Below ground surface |
| ppm | Parts per million |
| mg/kg | Milligrams per kilogram |
| NS | Not sampled |
| TPH | Total Petroleum Hydrocarbons |
| GRO | Gasoline range organics |
| DRO | Diesel range organics |
| ORO | Oil range organics |

Shaded rows indicate depth intervals proposed for excavation and remediation

***Bold and italicized values indicate exceedance of proposed RRALs based on the region's depth to groundwater and the sampled depths bgs.***

| | |
|---|---|
| 1 | Method 4500.0 |
| 2 | EPA Method 8260B |
| 3 | EPA Method 8015 |
| 4 | EPA Method 8015D/GRO |

# TABLE 2
## SUMMARY OF ANALYTICAL RESULTS
## ADDITIONAL SOIL ASSESSMENT - nRM2019933917
## CONOCOPHILLIPS
## VGEU 02-20 FLOWLINE RELEASE - EAST
## LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth Interval | Field Screening Results | | Chloride[1] | | BTEX[2] | | | | | | | | | TPH[3] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Chloride | PID | | | Benzene | | Toluene | | Ethylbenzene | | Total Xylenes | | Total BTEX | GRO[4] $C_3$ - $C_{10}$ | | DRO $C_{10}$ - $C_{28}$ | | ORO $C_{28}$ - $C_{40}$ | | Total TPH (GRO+DRO+ORO) |
| | | ft. bgs | ppm | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg |
| BH-1 | 1/18/2021 | 2-3 | 2810 | 12 | ***4330*** | | < 0.00114 | | < 0.00568 | | < 0.00284 | | < 0.00738 | | - | < 0.107 | | 12.6 | | 18.8 | | 31.4 |
| | | 4-5 | 37 | 1.0 | < 21.2 | | < 0.00112 | | < 0.00560 | | < 0.00280 | | < 0.00729 | | - | < 0.106 | | < 4.24 | | 1.75 | J | 1.75 |
| | | 6-7 | 25 | 1.0 | < 21.1 | | < 0.00111 | | < 0.00554 | | < 0.00277 | | < 0.00721 | | - | < 0.105 | | < 4.21 | | 3.01 | J | 3.01 |
| | | 9-10 | 42 | 1.9 | < 21.1 | | < 0.00111 | | < 0.00556 | | < 0.00278 | | < 0.00723 | | - | < 0.106 | | < 4.22 | | 2.79 | J | 2.79 |
| | | 15 | 24 | 0.9 | < 21.3 | | < 0.00113 | | < 0.00567 | | < 0.00284 | | < 0.00737 | | - | < 0.107 | | < 4.27 | | < 4.27 | | - |
| | | 20 | 20 | 0.7 | 399 | | < 0.00108 | | < 0.00540 | | < 0.00270 | | < 0.00703 | | - | < 0.104 | | < 4.16 | | < 4.16 | | - |
| BH-2 | 1/18/2021 | 0-1 | 65 | 5.0 | 41.7 | | < 0.00108 | | < 0.00539 | | < 0.00269 | | < 0.00700 | | - | < 0.104 | | < 4.15 | | 1.73 | J | 1.73 |
| | | 2-3 | 129 | 5.0 | 36.0 | | < 0.00108 | | < 0.00540 | | < 0.00270 | | < 0.00702 | | - | < 0.104 | | < 4.16 | | 0.629 | J | 0.629 |
| | | 4-5 | 94 | 5.0 | 22.3 | | < 0.00106 | | < 0.00528 | | < 0.00264 | | < 0.00686 | | - | < 0.103 | | < 4.11 | | < 4.11 | | - |
| | | 6-7 | 52 | 1.0 | < 21.4 | | < 0.00114 | | < 0.00569 | | < 0.00284 | | < 0.00740 | | - | < 0.107 | | < 4.28 | | 2.90 | J | 2.90 |
| | | 9-10 | 32 | 0.7 | < 21.0 | | < 0.00110 | | < 0.00551 | | < 0.00274 | | < 0.00716 | | - | < 0.105 | | < 4.20 | | 1.87 | J | 1.87 |
| BH-3 | 1/18/2021 | 0-1 | 91 | 3.0 | < 21.7 | | < 0.00117 | | < 0.00584 | | < 0.00292 | | < 0.00760 | | - | < 0.108 | | < 4.34 | | 7.94 | | 7.94 |
| | | 2-3 | 125 | 5.0 | 13.0 | J | < 0.00107 | | < 0.00535 | | < 0.00268 | | < 0.00696 | | - | < 0.104 | | < 4.14 | | 3.07 | J | 3.07 |
| | | 4-5 | 73 | 5.0 | < 20.4 | | < 0.00104 | | < 0.00521 | | < 0.00261 | | < 0.00678 | | - | < 0.102 | | < 4.08 | | 0.685 | J | 0.685 |
| | | 6-7 | 52 | 2.0 | < 21.0 | | < 0.00110 | | < 0.00550 | | < 0.00275 | | < 0.00715 | | - | < 0.105 | | < 4.20 | | 1.42 | J | 1.42 |
| | | 9-10 | 49 | 2.0 | < 20.8 | | < 0.00108 | | < 0.00542 | | < 0.00271 | | < 0.00704 | | - | < 0.104 | | < 4.17 | | 1.09 | J | 1.09 |
| BH-4 | 1/18/2021 | 0-1 | 89 | 3.0 | 32.0 | | < 0.00108 | | < 0.00542 | | < 0.00271 | | < 0.00705 | | - | < 0.104 | | < 4.17 | J3 | 2.59 | J | 2.59 |
| | | 2-3 | 76 | 5.0 | 36.2 | | < 0.00106 | | < 0.00530 | | < 0.00265 | | < 0.00689 | | - | < 0.103 | | < 4.12 | | 2.53 | B J | 2.53 |
| | | 4-5 | 81 | 5.0 | 12.9 | J | < 0.00106 | | < 0.00530 | | < 0.00265 | | < 0.00689 | | | < 0.103 | | < 4.12 | | 0.365 | B J | 0.365 |
| | | 6-7 | 33 | 2.0 | < 20.8 | | < 0.00108 | | < 0.00542 | | < 0.00271 | | < 0.00705 | | - | < 0.104 | | < 4.17 | | 1.06 | J | 1.06 |
| | | 9-10 | 29 | 2.0 | < 21.1 | | < 0.00111 | | < 0.00554 | | < 0.00277 | | < 0.00720 | | | < 0.105 | | < 4.22 | | 0.620 | J | 0.620 |
| BH-5 | 1/18/2021 | 0-1 | 68 | 1.0 | 17.2 | J | < 0.00105 | | < 0.00525 | | < 0.00262 | | < 0.00682 | | - | < 0.102 | | 2.50 | J | 4.97 | | 7.47 |
| | | 2-3 | 87 | 1.0 | 15.5 | J | < 0.00106 | | < 0.00528 | | < 0.00264 | | < 0.00687 | | - | < 0.103 | | 2.24 | J | 4.15 | B | 6.39 |
| | | 4-5 | 57 | 2.0 | < 20.5 | | 0.000493 | J J3 | < 0.00525 | J3 | < 0.00262 | J3 | < 0.00682 | | 0.000493 | < 0.102 | | < 4.10 | | 1.11 | B J | 1.11 |
| | | 6-7 | 49 | 2.0 | < 21.1 | | < 0.00111 | | < 0.00553 | | < 0.00277 | | < 0.00719 | | - | < 0.105 | | < 4.21 | | 1.30 | J | 1.30 |
| | | 9-10 | 51 | 2.0 | < 22.1 | | < 0.00121 | | < 0.00605 | | < 0.00302 | | < 0.00786 | | - | < 0.110 | | < 4.42 | | 0.684 | J | 0.684 |

NOTES:

ft. Feet

bgs Below ground surface

ppm Parts per million

mg/kg Milligrams per kilogram

TPH Total Petroleum Hydrocarbons

GRO Gasoline range organics

DRO Diesel range organics

ORO Oil range organics

Shaded rows indicate depth intervals proposed for excavation and remediation

***Bold and italicized values indicate exceedance of Reclamation Requirements***

1 EPA Method 300.0

2 EPA Method 8260B

3 EPA Method 8015

4 EPA Method 8015D/GRO

QUALIFIERS:

B The same analyte is found in the associated blank.

J The identification of the analyte is acceptable; the reported value is an estimate.

# TABLE 3
## SUMMARY OF ANALYTICAL RESULTS
## CONFIRMATION SAMPLING - NRM2019933917
## CONOCOPHILLIPS
## VGEU 02-20 EAST FLOWLINE RELEASE
## LEA COUNTY, NM

| Sample ID | Sample Date | Sample Depth | Field Screening Results | | Chloride[1] | | BTEX[2] | | | | | | | | | | TPH[3] | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Chloride | PID | | | Benzene | | Ethylbenzene | | Toluene | | Total Xylenes | | Total BTEX | | GRO | | DRO | | ORO | | Total TPH (GRO+DRO+ORO) | |
| | | | | | | | | | | | | | | | | | $C_3$ - $C_{10}$ | | $C_{10}$ - $C_{28}$ | | $C_{28}$ - $C_{35}$ | | | |
| | | ft. bgs | ppm | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | | mg/kg | Q | mg/kg | Q | mg/kg | Q | mg/kg | |
| FS-1 | 9/22/2021 | 3 | 150 | - | 147 | | < 0.0063 | | < 0.0063 | | < 0.0063 | | < 0.0189 | | - | | <10.8 | | <10.8 | | <10.8 | | - | |
| FS-2 | 9/22/2021 | 4 | - | - | 260 | | <0.0063 | | < 0.0063 | | < 0.0063 | | < 0.0188 | | - | | <12.5 | | <22.3 | | <22.3 | | - | |
| FS-3 | 9/22/2021 | 4 | - | - | 490 | | < 0.0076 | | < 0.0076 | | < 0.0076 | | < 0.0228 | | - | | <15.2 | | <35.8 | | <35.8 | | - | |
| FS-4 | 9/22/2021 | 3 | 25.8 | - | 192 | | <0.0059 | | <0.0059 | | <0.0059 | | <0.0176 | | - | | <11.8 | | <10.5 | | <10.5 | | - | |
| FS-5 | 9/22/2021 | 4 | 111 | - | 170 | | <0.0088 | | <0.0088 | | <0.0088 | | <0.0264 | | - | | <17.6 | | <37.2 | | <37.2 | | - | |
| FS-6 | 9/22/2021 | 4 | 123 | - | 126 | | < 0.0063 | | < 0.0063 | | < 0.0063 | | <0.0190 | | - | | <12.7 | | <11.1 | | <11.1 | | - | |
| FS-7 | 9/22/2021 | 2 | 368 | - | 266 | | <0.0058 | | <0.0058 | | <0.0058 | | < 0.0173 | | - | | <11.5 | | <31.8 | | <31.8 | | - | |
| FS-8 | 9/23/2021 | 4 | - | - | 277 | | <0.0061 | | <0.0061 | | <0.0061 | | < 0.0183 | | - | | <12.2 | | <11.2 | | <11.2 | | - | |
| FS-9 | 9/20/2021 | 4 | 315 | - | < 106 | | < 0.0056 | | < 0.0056 | | < 0.0056 | | < 0.0169 | | - | | < 11.2 | | < 10.4 | | < 10.4 | | - | |
| FS-10 | 9/23/2021 | 1 | 358 | - | 258 | | <0.0067 | | <0.0067 | | <0.0067 | | < 0.0200 | | - | | <13.3 | | <11.9 | | <11.9 | | - | |
| CSW-2 | 9/22/2021 | - | 205 | - | 220 | | <0.0079 | | <0.0079 | | <0.0079 | | <0.0237 | | - | | <15.8 | | <36.1 | | <36.1 | | - | |
| CSW-3 | 9/23/2021 | - | 309 | - | 281 | | <0.0073 | | <0.0073 | | <0.0073 | | <0.0218 | | - | | <14.5 | | <32.7 | | <32.7 | | - | |
| NSW-1 | 9/16/2021 | - | 141 | - | < 131 | | < 0.0081 | | < 0.0081 | | 0.0117 | 1e | < 0.0244 | | 0.0117 | | < 16.0 | | < 12.9 | | < 12.9 | | - | |
| NSW-2 | 9/16/2021 | - | 216 | - | 157 | | < 0.0082 | | < 0.0082 | | 0.0128 | 1e | < 0.0245 | | 0.0128 | | < 15.5 | | < 12.6 | | < 12.6 | | - | |
| ESW-1 | 9/16/2021 | - | 111 | - | < 129 | | < 0.0080 | | < 0.0080 | | 0.0114 | 1e | < 0.0241 | | 0.0114 | | < 15.3 | | 14.0 | | < 12.9 | | 14.0 | |
| ESW-2 | 9/16/2021 | - | 425 | - | < 131 | | < 0.0080 | | < 0.0080 | | 0.0131 | 1e | < 0.0024 | | 0.0131 | | < 15.1 | | < 12.9 | | < 12.9 | | - | |
| ESW-3 | 9/16/2021 | - | 175 | - | 265 | | < 0.0083 | | < 0.0083 | | 0.0141 | 1e | < 0.0250 | | 0.0141 | | < 15.4 | | < 13.0 | | < 13.0 | | - | |
| ESW-4 | 9/16/2021 | - | 114 | - | < 129 | | < 0.0081 | | < 0.0081 | | 0.0128 | 1e | < 0.0243 | | 0.0128 | | < 14.6 | | < 13.1 | | < 13.1 | | - | |
| SSW-1 | 9/16/2021 | - | 67.3 | - | < 122 | | < 0.0075 | | < 0.0075 | | 0.0099 | 1e | < 0.0225 | | 0.0099 | | < 14.0 | | < 12.2 | | < 12.2 | | - | |
| SSW-2 | 9/16/2021 | - | 238 | - | < 128 | | < 0.0080 | | < 0.0080 | | 0.0121 | 1e | < 0.0241 | | 0.0121 | | < 15.3 | | < 12.8 | | < 12.8 | | - | |
| WSW-1 | 9/16/2021 | - | 138 | - | < 139 | | < 0.0083 | | < 0.0083 | | 0.0140 | 1e | < 0.0249 | | 0.0140 | | < 15.9 | | < 13.1 | | < 13.1 | | - | |
| WSW-2 | 9/16/2021 | - | 98.1 | - | < 122 | | < 0.0069 | | < 0.0069 | | 0.0113 | 1e | < 0.0208 | | 0.0113 | | < 13.1 | | 21.6 | | 24.3 | | 45.9 | |
| WSW-3 | 9/16/2021 | - | 88.9 | - | < 117 | | < 0.0063 | | < 0.0063 | | 0.0104 | 1e | < 0.0190 | | 0.0104 | | < 12.4 | | < 11.0 | | 12.5 | | 12.5 | |

NOTES:

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

QUALIFIERS:

1e Analyte was detected in the associated method blank. Contamination detected is laboratory contamination due to outside source (Roofing Repair material).

# APPENDIX A
# C-141 Forms

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

State of New Mexico
Energy Minerals and Natural Resources Department

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

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

| | |
|---|---|
| Incident ID | NRM2019933917 |
| District RP | |
| Facility ID | |
| Application ID | |

# Release Notification

## Responsible Party

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

## Location of Release Source

Latitude 32.796111 Longitude - 103.485
*(NAD 83 in decimal degrees to 5 decimal places)*

| | |
|---|---|
| Site Name VGEU 02-20 | Site Type Off location |
| Date Release Discovered 6/29/20 | API# *(if applicable)* N/A |

| Unit Letter | Section | Township | Range | County |
|---|---|---|---|---|
| D | 32 | 17S | 35E | Lea |

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

## Nature and Volume of Release

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

| | | |
|---|---|---|
| ☒ Crude Oil | Volume Released (bbls) 4 | Volume Recovered (bbls) 0 |
| ☒ Produced Water | Volume Released (bbls) 16 | Volume Recovered (bbls) 0 |
| | Is the concentration of dissolved chloride 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

Flowline split

Form C-141
Page 2

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | NRM2019933917 |
| District RP | |
| Facility ID | |
| Application ID | |

| | |
|---|---|
| Was this a major release as defined by 19.15.29.7(A) NMAC?<br>☐ Yes ☒ No | If YES, for what reason(s) does the responsible party consider this a major release? |

If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?

Email notification was given to Bradford Billings and Jim Griswold, OCD by Kelsy Waggaman, ConocoPhillips Environmental Coordinator on 6/30/20.

## Initial Response

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

- ☒ The source of the release has been stopped.
- ☒ The impacted area has been secured to protect human health and the environment.
- ☒ Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.
- ☒ All free liquids and recoverable materials have been removed and managed appropriately.

If all the actions described above have not been undertaken, explain why:

Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.

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

Printed Name: Kelsy Waggaman Title: Environmental Coordinator

Signature: _____ Date: _7/10/20_

email: Kelsy.Waggaman@ConocoPhillips.com Telephone: 505-577-9071

**OCD Only**

Received by: Ramona Marcus Date: 7/17/2020

## L48 Spill Volume Estimate Form

NRM2019933917



| | |
|---|---|
| Facility Name & Number: | VGEU 02-20 |
| Release Discovery Date & Time: | 6/30/2020 |
| Release Type: | Oil Mixture |
| Provide any known details about the event: | FL leak |

**Spill Calculation - Subsurface Spill - Rectangle**

| | |
|---|---|
| Was the release on pad or off-pad? | On Pad - 10.5%; Off Pad - 15.12% soil spilled-fluid saturation factor |
| Has it rained at least a half inch in the last 24 hours? | Yes, On Pad - 8%; Off Pad - 13.57% soil spilled-fluid saturation factor; if No, use factors above. |

| Convert Irregular shape into a series of rectangles | Length (ft.) | Width (ft.) | Depth (in.) | Soil Spilled-Fluid Saturation | Estimated volume of each area (bbl.) | Total Estimated Volume of Spill (bbl.) | Percentage of Oil if Spilled Fluid is a Mixture | Total Estimated Volume of Spilled Oil (bbl.) | Total Estimated Volume of Spilled Liquid other than Oil (bbl.) |
|---|---|---|---|---|---|---|---|---|---|
| Rectangle A | 36.0 | 42.0 | 6.00 | 15.12% | 134.568 | 20.347 | 20.00% | 4.069 | 16.277 |
| 27 | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle C | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle D | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle E | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle F | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle G | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle H | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle I | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| Rectangle J | | | | | 0.000 | 0.000 | | 0.000 | 0.000 |
| | | | | | Total Volume Release: | 20.347 | | 4.069 | 16.277 |

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nRM2019933917 |
| District RP | |
| Facility ID | |
| Application ID | |

# Site Assessment/Characterization

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

| | |
|---|---|
| What is the shallowest depth to groundwater beneath the area affected by the release? | 95 (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
☒ Data table of soil contaminant concentration data
☒ Depth to water determination
☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
☒ Boring or excavation logs
☒ Photographs including date and GIS information
☒ Topographic/Aerial maps
☒ Laboratory data including chain of custody

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

Form C-141
Page 4

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nRM2019933917 |
| District RP | |
| Facility ID | |
| Application ID | |

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

Printed Name: Marvin Soriwei Title: Program Manager, Risk Management & Remediation

Signature: Date: 5/12/2021

email: marvin.soriwei@conocophillips.com Telephone: 8324862730

**OCD Only**

Received by: Date:

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nRM2019933917 |
| District RP | |
| Facility ID | |
| Application ID | |

# Remediation Plan

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

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

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

☐ Contamination must be in areas immediately under or around production equipment where remediation could cause a major facility deconstruction.

☐ Extents of contamination must be fully delineated.

☐ Contamination does not cause an imminent risk to human health, the environment, or groundwater.

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

Printed Name: Marvin Soriwei Title: Program Manager, Risk Management & Remediation

Signature: Date: 5/12/2021

email: marvin.soriwei@conocophillips.com Telephone: 8324862730

**OCD Only**

Received by: Chad Hensley Date: 06/29/2021

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

Signature: Date: 06/29/2021

Form C-141
Page 6

State of New Mexico
Oil Conservation Division

| | |
|---|---|
| Incident ID | nRM2019933917 |
| District RP | |
| Facility ID | |
| Application ID | |

# Closure

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

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

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

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

Printed Name: Samuel Widmer Title: RM&R Program Manager

Signature: [signature] Date: 11/01/2021

email: sam.widmer@cop.com Telephone: 281-206-5298

**OCD Only**

Received by: Chad Hensley Date: 12/03/2021

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

Closure Approved by: Chad Hensley Date: 12/03/2021

Printed Name: Chad Hensley Title: Environmental Specialist Advanced

# APPENDIX B
# Site Characterization Data

# New Mexico Office of the State Engineer
# Water Column/Average Depth to Water

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

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

(quarters are 1=NW 2=NE 3=SW 4=SE)
(quarters are smallest to largest) (NAD83 UTM in meters) (In feet)

| POD Number | POD Sub-basin Code | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X | Y | Distance | Depth Well | Depth Water | Water Column |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| L 14183 POD2 | L | LE | 3 | 2 | 2 | 31 | 17S | 35E | 641304 | 3629691 | 547 | 227 | 105 | 122 |
| L 14183 POD1 | L | LE | 3 | 2 | 2 | 31 | 17S | 35E | 641266 | 3629667 | 585 | 229 | 106 | 123 |
| L 14183 POD3 | L | LE | 3 | 2 | 2 | 31 | 17S | 35E | 641213 | 3629731 | 639 | 227 | 104 | 123 |
| L 03875 S2 | R L | LE | | | 2 | 31 | 17S | 35E | 641131 | 3629576* | 730 | 120 | 95 | 25 |
| L 03875 S4 | L | LE | | | 2 | 31 | 17S | 35E | 641131 | 3629576* | 730 | 120 | | |

Average Depth to Water: **102 feet**

Minimum Depth: **95 feet**

Maximum Depth: **106 feet**

**Record Count:** 5

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 641851.36 **Northing (Y):** 3629696.63 **Radius:** 800

***UTM location was derived from PLSS - see Help**

# Karst Potential Map

VGEU 02-20 East Flowline Release

Legend
- High
- Low
- Medium

172
249
82
Lovington
Lea
31
VGEU 02-20 East Flowline Release
Hobb
62

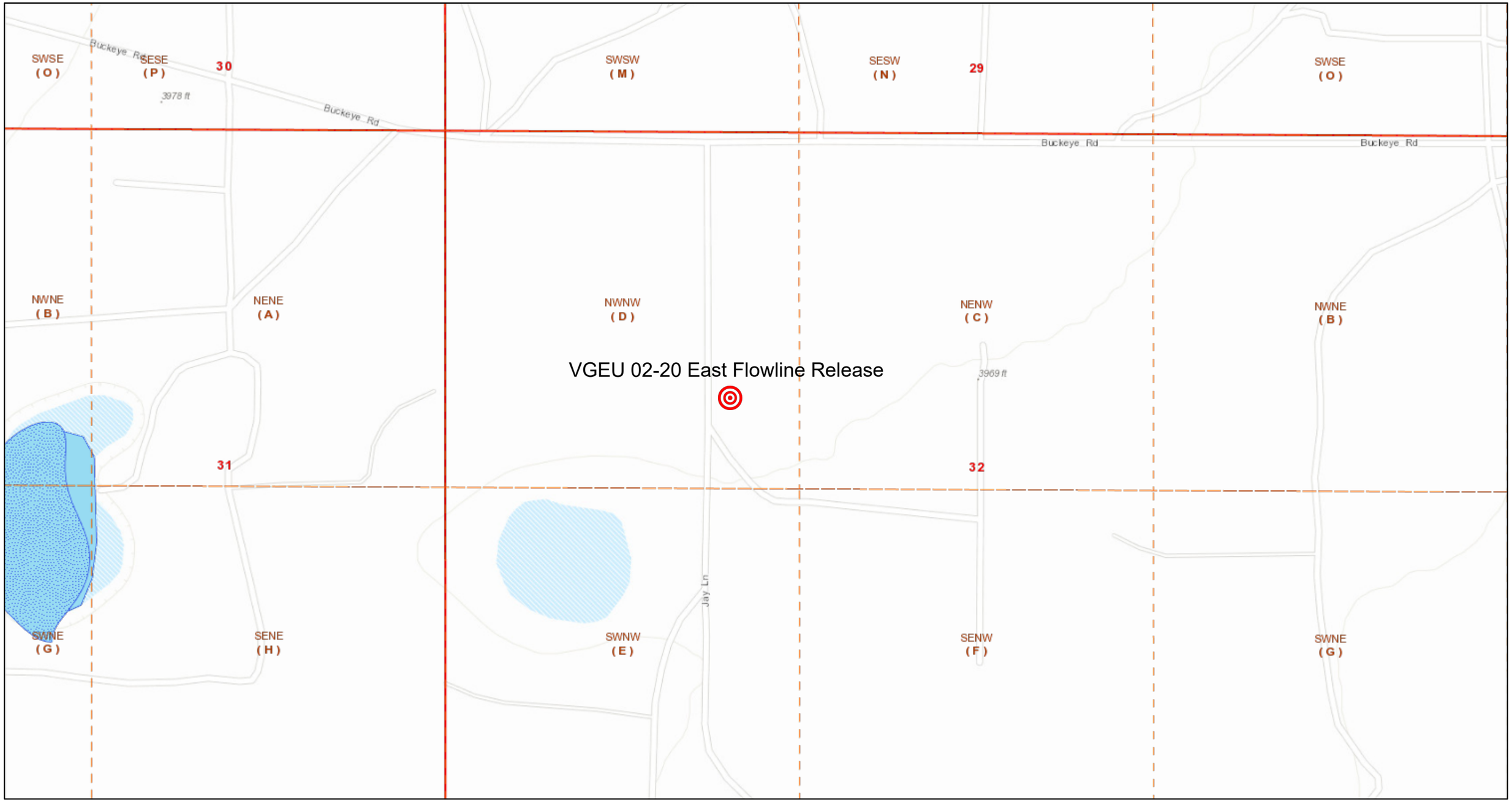
Google Earth

Image Landsat / Copernicus
© 2021 Google

N

10 mi

# VGEU 02-20 East Flowline Release




3/15/2021, 5:31:45 PM

Override 1

PLSS First Division

PLSS Second Division

OSE Water-bodies

PLJV Probable Playas

OSE Streams

1:5,083

0 0.05 0.1 0.2 mi

0 0.07 0.15 0.3 km

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



New Mexico Oil Conservation Division

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

# APPENDIX C
# Laboratory Analytical Data

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

September 22, 2021

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on September 18, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Sam Abbott, Tetra Tech, Inc
Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## CERTIFICATIONS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Pace Analytical Services Kansas**
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 2000302021-3
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## SAMPLE SUMMARY

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **60380597001** | **NSW-1** | Solid | 09/16/21 09:00 | 09/18/21 08:45 |
| **60380597002** | **NSW-2** | Solid | 09/16/21 09:45 | 09/18/21 08:45 |
| **60380597003** | **ESW-1** | Solid | 09/16/21 10:30 | 09/18/21 08:45 |
| **60380597004** | **ESW-2** | Solid | 09/16/21 11:15 | 09/18/21 08:45 |
| **60380597005** | **ESW-3** | Solid | 09/16/21 12:00 | 09/18/21 08:45 |
| **60380597006** | **ESW-4** | Solid | 09/16/21 12:45 | 09/18/21 08:45 |
| **60380597007** | **SSW-1** | Solid | 09/16/21 13:30 | 09/18/21 08:45 |
| **60380597008** | **SSW-2** | Solid | 09/16/21 14:15 | 09/18/21 08:45 |
| **60380597009** | **WSW-1** | Solid | 09/16/21 15:00 | 09/18/21 08:45 |
| **60380597010** | **WSW-2** | Solid | 09/16/21 15:45 | 09/18/21 08:45 |
| **60380597011** | **WSW-3** | Solid | 09/16/21 16:30 | 09/18/21 08:45 |

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## SAMPLE ANALYTE COUNT

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **60380597001** | **NSW-1** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597002** | **NSW-2** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597003** | **ESW-1** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597004** | **ESW-2** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597005** | **ESW-3** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597006** | **ESW-4** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597007** | **SSW-1** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597008** | **SSW-2** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## SAMPLE ANALYTE COUNT

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597009** | **WSW-1** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597010** | **WSW-2** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60380597011** | **WSW-3** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: NSW-1** **Lab ID: 60380597001** Collected: 09/16/21 09:00 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 12.9 | 1 | 09/20/21 12:31 | 09/20/21 14:21 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 12.9 | 1 | 09/20/21 12:31 | 09/20/21 14:21 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 105 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 14:21 | 646-31-1 | |
| p-Terphenyl (S) | 91 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 14:21 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 16.0 | 1 | 09/20/21 11:01 | 09/20/21 16:24 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 96 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 16:24 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 8.1 | 1 | 09/20/21 12:33 | 09/21/21 09:22 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 8.1 | 1 | 09/20/21 12:33 | 09/21/21 09:22 | 100-41-4 | |
| Toluene | **11.7** | ug/kg | 8.1 | 1 | 09/20/21 12:33 | 09/21/21 09:22 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 24.4 | 1 | 09/20/21 12:33 | 09/21/21 09:22 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 112 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 09:22 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 97 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 09:22 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 09:22 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **25.0** | % | 0.50 | 1 | | 09/20/21 09:54 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 131 | 10 | 09/21/21 11:38 | 09/21/21 12:35 | 16887-00-6 | |

**Sample: NSW-2** **Lab ID: 60380597002** Collected: 09/16/21 09:45 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 12.6 | 1 | 09/20/21 12:31 | 09/20/21 14:45 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 12.6 | 1 | 09/20/21 12:31 | 09/20/21 14:45 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 97 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 14:45 | 646-31-1 | |
| p-Terphenyl (S) | 97 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 14:45 | 92-94-4 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: NSW-2** **Lab ID: 60380597002** Collected: 09/16/21 09:45 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 15.5 | 1 | 09/20/21 11:01 | 09/20/21 16:39 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 97 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 16:39 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 8.2 | 1 | 09/20/21 12:33 | 09/21/21 09:42 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 8.2 | 1 | 09/20/21 12:33 | 09/21/21 09:42 | 100-41-4 | |
| Toluene | **12.8** | ug/kg | 8.2 | 1 | 09/20/21 12:33 | 09/21/21 09:42 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 24.5 | 1 | 09/20/21 12:33 | 09/21/21 09:42 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 110 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 09:42 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 09:42 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 104 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 09:42 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **24.4** | % | 0.50 | 1 | | 09/20/21 09:54 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **157** | mg/kg | 130 | 10 | 09/21/21 11:38 | 09/21/21 13:05 | 16887-00-6 | |

**Sample: ESW-1** **Lab ID: 60380597003** Collected: 09/16/21 10:30 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | **14.0** | mg/kg | 12.9 | 1 | 09/20/21 12:31 | 09/20/21 14:54 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 12.9 | 1 | 09/20/21 12:31 | 09/20/21 14:54 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 107 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 14:54 | 646-31-1 | |
| p-Terphenyl (S) | 90 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 14:54 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 15.3 | 1 | 09/20/21 11:01 | 09/20/21 16:55 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 96 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 16:55 | 460-00-4 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: ESW-1** **Lab ID: 60380597003** Collected: 09/16/21 10:30 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 8.0 | 1 | 09/20/21 12:33 | 09/21/21 10:02 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 8.0 | 1 | 09/20/21 12:33 | 09/21/21 10:02 | 100-41-4 | |
| Toluene | **11.4** | ug/kg | 8.0 | 1 | 09/20/21 12:33 | 09/21/21 10:02 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 24.1 | 1 | 09/20/21 12:33 | 09/21/21 10:02 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 108 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 10:02 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 10:02 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 99 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 10:02 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **24.0** | % | 0.50 | 1 | | 09/20/21 09:54 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 129 | 10 | 09/21/21 11:38 | 09/21/21 13:25 | 16887-00-6 | |

**Sample: ESW-2** **Lab ID: 60380597004** Collected: 09/16/21 11:15 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 12.9 | 1 | 09/20/21 12:31 | 09/20/21 15:02 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 12.9 | 1 | 09/20/21 12:31 | 09/20/21 15:02 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 95 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 15:02 | 646-31-1 | |
| p-Terphenyl (S) | 87 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 15:02 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 15.1 | 1 | 09/20/21 11:01 | 09/20/21 17:10 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 97 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 17:10 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 8.0 | 1 | 09/20/21 12:33 | 09/21/21 10:23 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 8.0 | 1 | 09/20/21 12:33 | 09/21/21 10:23 | 100-41-4 | |
| Toluene | **13.1** | ug/kg | 8.0 | 1 | 09/20/21 12:33 | 09/21/21 10:23 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 23.9 | 1 | 09/20/21 12:33 | 09/21/21 10:23 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 113 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 10:23 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
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(913)599-5665

## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: ESW-2** **Lab ID: 60380597004** Collected: 09/16/21 11:15 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 10:23 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 10:23 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **23.1** | % | 0.50 | 1 | | 09/20/21 09:54 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 131 | 10 | 09/21/21 11:38 | 09/21/21 13:54 | 16887-00-6 | |

**Sample: ESW-3** **Lab ID: 60380597005** Collected: 09/16/21 12:00 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 13.0 | 1 | 09/20/21 12:31 | 09/20/21 15:10 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 13.0 | 1 | 09/20/21 12:31 | 09/20/21 15:10 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 129 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 15:10 | 646-31-1 | |
| p-Terphenyl (S) | 88 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 15:10 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 15.4 | 1 | 09/20/21 11:01 | 09/20/21 17:25 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 98 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 17:25 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 8.3 | 1 | 09/20/21 12:33 | 09/21/21 10:48 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 8.3 | 1 | 09/20/21 12:33 | 09/21/21 10:48 | 100-41-4 | |
| Toluene | **14.1** | ug/kg | 8.3 | 1 | 09/20/21 12:33 | 09/21/21 10:48 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 25.0 | 1 | 09/20/21 12:33 | 09/21/21 10:48 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 116 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 10:48 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 10:48 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 99 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 10:48 | 2199-69-1 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: ESW-3** **Lab ID: 60380597005** Collected: 09/16/21 12:00 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **25.6** | % | 0.50 | 1 | | 09/20/21 09:54 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **265** | mg/kg | 132 | 10 | 09/21/21 11:38 | 09/21/21 14:04 | 16887-00-6 | |

**Sample: ESW-4** **Lab ID: 60380597006** Collected: 09/16/21 12:45 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 13.1 | 1 | 09/20/21 12:31 | 09/20/21 15:18 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 13.1 | 1 | 09/20/21 12:31 | 09/20/21 15:18 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 122 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 15:18 | 646-31-1 | |
| p-Terphenyl (S) | 84 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 15:18 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 14.6 | 1 | 09/20/21 11:01 | 09/20/21 17:40 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 97 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 17:40 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 8.1 | 1 | 09/20/21 12:33 | 09/21/21 11:10 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 8.1 | 1 | 09/20/21 12:33 | 09/21/21 11:10 | 100-41-4 | |
| Toluene | **12.8** | ug/kg | 8.1 | 1 | 09/20/21 12:33 | 09/21/21 11:10 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 24.3 | 1 | 09/20/21 12:33 | 09/21/21 11:10 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 108 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 11:10 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 11:10 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 99 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 11:10 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **24.6** | % | 0.50 | 1 | | 09/20/21 09:54 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 129 | 10 | 09/21/21 11:38 | 09/21/21 14:14 | 16887-00-6 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(913)599-5665

## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: SSW-1** **Lab ID: 60380597007** Collected: 09/16/21 13:30 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 12.2 | 1 | 09/20/21 12:31 | 09/20/21 15:26 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 12.2 | 1 | 09/20/21 12:31 | 09/20/21 15:26 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 194 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 15:26 | 646-31-1 | S3 |
| p-Terphenyl (S) | 70 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 15:26 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 14.0 | 1 | 09/20/21 11:01 | 09/20/21 18:25 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 18:25 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 7.5 | 1 | 09/20/21 12:33 | 09/21/21 11:30 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 7.5 | 1 | 09/20/21 12:33 | 09/21/21 11:30 | 100-41-4 | |
| Toluene | **9.9** | ug/kg | 7.5 | 1 | 09/20/21 12:33 | 09/21/21 11:30 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 22.5 | 1 | 09/20/21 12:33 | 09/21/21 11:30 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 113 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 11:30 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 102 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 11:30 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 11:30 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **20.5** | % | 0.50 | 1 | | 09/20/21 09:54 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 122 | 10 | 09/21/21 11:38 | 09/21/21 14:24 | 16887-00-6 | |

**Sample: SSW-2** **Lab ID: 60380597008** Collected: 09/16/21 14:15 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 12.8 | 1 | 09/20/21 12:31 | 09/20/21 15:35 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 12.8 | 1 | 09/20/21 12:31 | 09/20/21 15:35 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 137 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 15:35 | 646-31-1 | |
| p-Terphenyl (S) | 72 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 15:35 | 92-94-4 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(913)599-5665

## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: SSW-2** **Lab ID: 60380597008** Collected: 09/16/21 14:15 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 15.3 | 1 | 09/20/21 11:01 | 09/20/21 18:40 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 96 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 18:40 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 8.0 | 1 | 09/20/21 12:33 | 09/21/21 11:50 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 8.0 | 1 | 09/20/21 12:33 | 09/21/21 11:50 | 100-41-4 | |
| Toluene | **12.1** | ug/kg | 8.0 | 1 | 09/20/21 12:33 | 09/21/21 11:50 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 24.1 | 1 | 09/20/21 12:33 | 09/21/21 11:50 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 114 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 11:50 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 11:50 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 11:50 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **23.5** | % | 0.50 | 1 | | 09/20/21 09:54 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 128 | 10 | 09/21/21 11:38 | 09/21/21 14:34 | 16887-00-6 | |

**Sample: WSW-1** **Lab ID: 60380597009** Collected: 09/16/21 15:00 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 13.1 | 1 | 09/20/21 12:31 | 09/20/21 15:43 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 13.1 | 1 | 09/20/21 12:31 | 09/20/21 15:43 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 137 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 15:43 | 646-31-1 | |
| p-Terphenyl (S) | 77 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 15:43 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 15.9 | 1 | 09/20/21 11:01 | 09/20/21 19:25 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 95 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 19:25 | 460-00-4 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: WSW-1** **Lab ID: 60380597009** Collected: 09/16/21 15:00 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 8.3 | 1 | 09/20/21 12:33 | 09/21/21 12:11 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 8.3 | 1 | 09/20/21 12:33 | 09/21/21 12:11 | 100-41-4 | |
| Toluene | **14.0** | ug/kg | 8.3 | 1 | 09/20/21 12:33 | 09/21/21 12:11 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 24.9 | 1 | 09/20/21 12:33 | 09/21/21 12:11 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 113 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 12:11 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 12:11 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 12:11 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **25.4** | % | 0.50 | 1 | | 09/20/21 09:55 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 139 | 10 | 09/21/21 11:38 | 09/21/21 14:43 | 16887-00-6 | |

**Sample: WSW-2** **Lab ID: 60380597010** Collected: 09/16/21 15:45 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | **21.6** | mg/kg | 11.6 | 1 | 09/20/21 12:31 | 09/21/21 12:49 | | |
| TPH-ORO (C28-C35) | **24.3** | mg/kg | 11.6 | 1 | 09/20/21 12:31 | 09/21/21 12:49 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 135 | % | 31-152 | 1 | 09/20/21 12:31 | 09/21/21 12:49 | 646-31-1 | |
| p-Terphenyl (S) | 80 | % | 46-130 | 1 | 09/20/21 12:31 | 09/21/21 12:49 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 13.1 | 1 | 09/20/21 11:01 | 09/20/21 19:41 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 96 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 19:41 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 6.9 | 1 | 09/20/21 12:33 | 09/21/21 12:52 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 6.9 | 1 | 09/20/21 12:33 | 09/21/21 12:52 | 100-41-4 | |
| Toluene | **11.3** | ug/kg | 6.9 | 1 | 09/20/21 12:33 | 09/21/21 12:52 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 20.8 | 1 | 09/20/21 12:33 | 09/21/21 12:52 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 112 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 12:52 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

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Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: WSW-2** **Lab ID: 60380597010** Collected: 09/16/21 15:45 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 104 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 12:52 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 100 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 12:52 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **16.7** | % | 0.50 | 1 | | 09/20/21 09:55 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 122 | 10 | 09/21/21 11:38 | 09/21/21 14:53 | 16887-00-6 | |

**Sample: WSW-3** **Lab ID: 60380597011** Collected: 09/16/21 16:30 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 11.0 | 1 | 09/20/21 12:31 | 09/20/21 15:59 | | |
| TPH-ORO (C28-C35) | **12.5** | mg/kg | 11.0 | 1 | 09/20/21 12:31 | 09/20/21 15:59 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 104 | % | 31-152 | 1 | 09/20/21 12:31 | 09/20/21 15:59 | 646-31-1 | |
| p-Terphenyl (S) | 70 | % | 46-130 | 1 | 09/20/21 12:31 | 09/20/21 15:59 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 12.4 | 1 | 09/20/21 11:01 | 09/20/21 19:56 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 94 | % | 63-121 | 1 | 09/20/21 11:01 | 09/20/21 19:56 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 6.3 | 1 | 09/20/21 12:33 | 09/21/21 12:32 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 6.3 | 1 | 09/20/21 12:33 | 09/21/21 12:32 | 100-41-4 | |
| Toluene | **10.4** | ug/kg | 6.3 | 1 | 09/20/21 12:33 | 09/21/21 12:32 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 19.0 | 1 | 09/20/21 12:33 | 09/21/21 12:32 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 111 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 12:32 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | % | 83-119 | 1 | 09/20/21 12:33 | 09/21/21 12:32 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 103 | % | 80-120 | 1 | 09/20/21 12:33 | 09/21/21 12:32 | 2199-69-1 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

**Sample: WSW-3** **Lab ID: 60380597011** Collected: 09/16/21 16:30 Received: 09/18/21 08:45 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **12.5** | % | 0.50 | 1 | | 09/20/21 09:55 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 117 | 10 | 09/21/21 11:38 | 09/21/21 15:03 | 16887-00-6 | |

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

QC Batch: 744260
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015B
Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

METHOD BLANK: 2981966 Matrix: Solid
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| TPH-GRO | mg/kg | ND | 10.0 | 09/20/21 16:09 | |
| 4-Bromofluorobenzene (S) | % | 97 | 63-121 | 09/20/21 16:09 | |

LABORATORY CONTROL SAMPLE: 2981967

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| TPH-GRO | mg/kg | 50 | 41.7 | 83 | 71-107 | |
| 4-Bromofluorobenzene (S) | % | | | 100 | 63-121 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2981978 2981968

| Parameter | Units | 60380597006 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH-GRO | mg/kg | ND | 72.8 | 72.8 | 61.9 | 64.9 | 83 | 87 | 29-143 | 5 | 26 | |
| 4-Bromofluorobenzene (S) | % | | | | | | 101 | 99 | 63-121 | | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

QC Batch: 744197 — Analysis Method: EPA 8260B
QC Batch Method: EPA 5035A/5030B — Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

METHOD BLANK: 2981769 — Matrix: Solid
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | ug/kg | ND | 5.0 | 09/21/21 09:02 | |
| Ethylbenzene | ug/kg | ND | 5.0 | 09/21/21 09:02 | |
| Toluene | ug/kg | 11.4 | 5.0 | 09/21/21 09:02 | |
| Xylene (Total) | ug/kg | ND | 15.0 | 09/21/21 09:02 | |
| 1,2-Dichlorobenzene-d4 (S) | % | 102 | 80-120 | 09/21/21 09:02 | |
| 4-Bromofluorobenzene (S) | % | 101 | 83-119 | 09/21/21 09:02 | |
| Toluene-d8 (S) | % | 102 | 80-120 | 09/21/21 09:02 | |

LABORATORY CONTROL SAMPLE: 2981770

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | ug/kg | 1250 | 1060 | 85 | 67-126 | |
| Ethylbenzene | ug/kg | 1250 | 1110 | 89 | 69-127 | |
| Toluene | ug/kg | 1250 | 1160 | 92 | 80-118 | |
| Xylene (Total) | ug/kg | 3750 | 3260 | 87 | 69-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 100 | 80-120 | |
| 4-Bromofluorobenzene (S) | % | | | 100 | 83-119 | |
| Toluene-d8 (S) | % | | | 97 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2981771 2981772

| Parameter | Units | 60380597010 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/kg | ND | 1730 | 1740 | 1410 | 1420 | 81 | 81 | 17-134 | 1 | 53 | |
| Ethylbenzene | ug/kg | ND | 1730 | 1740 | 1570 | 1600 | 91 | 91 | 10-137 | 2 | 60 | |
| Toluene | ug/kg | 11.3 | 1730 | 1740 | 1570 | 1590 | 90 | 90 | 13-131 | 1 | 60 | |
| Xylene (Total) | ug/kg | ND | 5200 | 5230 | 4640 | 4720 | 89 | 90 | 10-137 | 2 | 58 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | | | | 102 | 99 | 80-120 | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 103 | 103 | 83-119 | | | |
| Toluene-d8 (S) | % | | | | | | 98 | 98 | 80-120 | | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

QC Batch: 744176
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

METHOD BLANK: 2981734 Matrix: Solid
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| TPH-DRO (C10-C28) | mg/kg | ND | 9.7 | 09/20/21 14:04 | |
| TPH-ORO (C28-C35) | mg/kg | ND | 9.7 | 09/20/21 14:04 | |
| n-Tetracosane (S) | % | 144 | 31-152 | 09/20/21 14:04 | |
| p-Terphenyl (S) | % | 105 | 46-130 | 09/20/21 14:04 | |

LABORATORY CONTROL SAMPLE: 2981735

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| TPH-DRO (C10-C28) | mg/kg | 81.3 | 75.5 | 93 | 74-124 | |
| n-Tetracosane (S) | % | | | 90 | 31-152 | |
| p-Terphenyl (S) | % | | | 91 | 46-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2981736 2981737

| Parameter | Units | 60380597001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH-DRO (C10-C28) | mg/kg | ND | 105 | 108 | 94.8 | 73.7 | 83 | 62 | 30-130 | 25 | 35 | |
| n-Tetracosane (S) | % | | | | | | 97 | 71 | 31-152 | | | |
| p-Terphenyl (S) | % | | | | | | 71 | 47 | 46-130 | | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

QC Batch: 744259
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

METHOD BLANK: 2981963
Matrix: Solid
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Percent Moisture | % | ND | 0.50 | 09/20/21 09:54 | |

SAMPLE DUPLICATE: 2981964

| Parameter | Units | 60380597001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 25.0 | 25.0 | 0 | 20 | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

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## QUALITY CONTROL DATA

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

QC Batch: 744224 — Analysis Method: EPA 9056
QC Batch Method: EPA 9056 — Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

METHOD BLANK: 2981863 — Matrix: Solid
Associated Lab Samples: 60380597001, 60380597002, 60380597003, 60380597004, 60380597005, 60380597006, 60380597007, 60380597008, 60380597009, 60380597010, 60380597011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Chloride | mg/kg | ND | 100 | 09/21/21 12:16 | |

LABORATORY CONTROL SAMPLE: 2981864

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Chloride | mg/kg | 500 | 470 | 94 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2981865 2981866

| Parameter | Units | 60380597001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/kg | ND | 677 | 682 | 652 | 724 | 84 | 94 | 80-120 | 10 | 15 | |

SAMPLE DUPLICATE: 2981867

| Parameter | Units | 60380597001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Chloride | mg/kg | ND | 165 | | 15 | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(913)599-5665

# QUALIFIERS

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## ANALYTE QUALIFIERS

| | |
|---|---|
| 1e | Analyte was detected in the associated method blank. Contamination detected is laboratory contamination due to outside source (Roofing Repair material). |
| S3 | Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample. |

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## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| 60380597001 | NSW-1 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597002 | NSW-2 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597003 | ESW-1 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597004 | ESW-2 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597005 | ESW-3 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597006 | ESW-4 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597007 | SSW-1 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597008 | SSW-2 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597009 | WSW-1 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597010 | WSW-2 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597011 | WSW-3 | EPA 3546 | 744176 | EPA 8015B | 744341 |
| 60380597001 | NSW-1 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597002 | NSW-2 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597003 | ESW-1 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597004 | ESW-2 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597005 | ESW-3 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597006 | ESW-4 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597007 | SSW-1 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597008 | SSW-2 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597009 | WSW-1 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597010 | WSW-2 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597011 | WSW-3 | EPA 5035A/5030B | 744260 | EPA 8015B | 744472 |
| 60380597001 | NSW-1 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597002 | NSW-2 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597003 | ESW-1 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597004 | ESW-2 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597005 | ESW-3 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597006 | ESW-4 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597007 | SSW-1 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597008 | SSW-2 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597009 | WSW-1 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597010 | WSW-2 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597011 | WSW-3 | EPA 5035A/5030B | 744197 | EPA 8260B | 744618 |
| 60380597001 | NSW-1 | ASTM D2974 | 744259 | | |
| 60380597002 | NSW-2 | ASTM D2974 | 744259 | | |
| 60380597003 | ESW-1 | ASTM D2974 | 744259 | | |
| 60380597004 | ESW-2 | ASTM D2974 | 744259 | | |
| 60380597005 | ESW-3 | ASTM D2974 | 744259 | | |
| 60380597006 | ESW-4 | ASTM D2974 | 744259 | | |
| 60380597007 | SSW-1 | ASTM D2974 | 744259 | | |
| 60380597008 | SSW-2 | ASTM D2974 | 744259 | | |
| 60380597009 | WSW-1 | ASTM D2974 | 744259 | | |
| 60380597010 | WSW-2 | ASTM D2974 | 744259 | | |
| 60380597011 | WSW-3 | ASTM D2974 | 744259 | | |
| 60380597001 | NSW-1 | EPA 9056 | 744224 | EPA 9056 | 744605 |
| 60380597002 | NSW-2 | EPA 9056 | 744224 | EPA 9056 | 744605 |
| 60380597003 | ESW-1 | EPA 9056 | 744224 | EPA 9056 | 744605 |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: VGEU 02-20 East FL Release
Pace Project No.: 60380597

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **60380597004** | **ESW-2** | EPA 9056 | 744224 | EPA 9056 | 744605 |
| **60380597005** | **ESW-3** | EPA 9056 | 744224 | EPA 9056 | 744605 |
| **60380597006** | **ESW-4** | EPA 9056 | 744224 | EPA 9056 | 744605 |
| **60380597007** | **SSW-1** | EPA 9056 | 744224 | EPA 9056 | 744605 |
| **60380597008** | **SSW-2** | EPA 9056 | 744224 | EPA 9056 | 744605 |
| **60380597009** | **WSW-1** | EPA 9056 | 744224 | EPA 9056 | 744605 |
| **60380597010** | **WSW-2** | EPA 9056 | 744224 | EPA 9056 | 744605 |
| **60380597011** | **WSW-3** | EPA 9056 | 744224 | EPA 9056 | 744605 |

Pace Analytical
www.pacelabs.com

## Sample Condition Upon Receipt

WO# : 60380597

60380597

Client Name: Tetra Tech

**Courier:** FedEx ☑ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

**Tracking #:** 283838322635 Pace Shipping Label Used? Yes ☐ No ☑

**Custody Seal on Cooler/Box Present:** Yes ☐ No ☑ Seals intact: Yes ☐ No ☐

**Packing Material:** Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☑ ZIPLOC

**Thermometer Used:** T 290 **Type of Ice:** (Wet) Blue None

**Cooler Temperature (°C):** **As-read** 4.7 **Corr. Factor** -0.3 **Corrected** 4.4

**Date and initials of person examining contents:** 9/22/21 MLK

Temperature should be above freezing to 6°C

| | | |
|---|---|---|
| Chain of Custody present: | ☑Yes ☐No ☐N/A | |
| Chain of Custody relinquished: | ☑Yes ☐No ☐N/A | |
| Samples arrived within holding time: | ☑Yes ☐No ☐N/A | |
| **Short Hold Time analyses (<72hr):** | ☐Yes ☑No ☐N/A | |
| **Rush Turn Around Time requested:** | ☑Yes ☐No ☐N/A | 1day |
| Sufficient volume: | ☑Yes ☐No ☐N/A | |
| Correct containers used: | ☑Yes ☐No ☐N/A | |
| Pace containers used: | ☑Yes ☐No ☐N/A | |
| Containers intact: | ☑Yes ☐No ☐N/A | |
| Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs? | ☐Yes ☐No ☑N/A | |
| Filtered volume received for dissolved tests? | ☐Yes ☐No ☑N/A | |
| Sample labels match COC: Date / time / ID / analyses | ☑Yes ☐No ☐N/A | |
| Samples contain multiple phases? Matrix: SL | ☐Yes ☑No ☐N/A | |
| Containers requiring pH preservation in compliance? ($HNO_3$, $H_2SO_4$, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# | ☐Yes ☐No ☑N/A | List sample IDs, volumes, lot #'s of preservative and the date/time added. |
| Cyanide water sample checks: Lead acetate strip turns dark? (Record only) Potassium iodide test strip turns blue/purple? (Preserve) | ☐Yes ☐No ☐Yes ☐No | |
| Trip Blank present: | ☐Yes ☐No ☑N/A | |
| Headspace in VOA vials ( >6mm): | ☐Yes ☐No ☑N/A | |
| Samples from USDA Regulated Area: State: Louisiana NM | ☐Yes ☑No ☐N/A | |
| Additional labels attached to 5035A / TX1005 vials in the field? | ☐Yes ☐No ☑N/A | |

**Client Notification/ Resolution:** Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

F-KS-C-003-Rev.11, February 28, 2018

Analysis Request of Chain of Custody Record



# Tetra Tech, Inc.

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

Profile 14814 60380587

| | | | |
|---|---|---|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | VGEU 02-20 East FL Release | Contact Info: | Email: christian.llull@tetratech.com<br>Phone: (512) 338-1667 |
| Project Location: (county, state) | Lea County, NM | Project #: | 212C-MD-02305 |
| Invoice to: | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | Andrew Garcia |
| Comments: | COPTETRA Acctnum | | |

ANALYSIS REQUEST
(Circle or Specify Method No.)

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING DATE (YEAR: 2021) | SAMPLING TIME | MATRIX: WATER | MATRIX: SOIL | PRESERVATIVE METHOD: HCL | PRESERVATIVE METHOD: $HNO_3$ | PRESERVATIVE METHOD: ICE | PRESERVATIVE METHOD: NONE | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M ( GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride | Sulfate | TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | NSW-1 | 9/16/21 | 900 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |
| | NSW-2 | 9/16/21 | 945 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |
| | ESW-1 | 9/16/21 | 1030 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |
| | ESW-2 | 9/16/21 | 1115 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |
| | ESW-3 | 9/16/21 | 1200 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |
| | ESW-4 | 9/16/21 | 1245 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |
| | SSW-1 | 9/16/21 | 1330 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |
| | SSW-2 | 9/16/21 | 1415 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |
| | WSW-1 | 9/16/21 | 1500 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |
| | WSW-2 | 9/16/21 | 1545 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | | |

| | | | |
|---|---|---|---|
| Relinquished by: | Date: | Time: | Received by: |
| Andrew Garcia | 9/17/21 | 900 | 9-17-21 9:00 |
| Relinquished by: | Date: | Time: | Received by: |
| | | | Mveller/Pace 9/18/21 0845 |
| Relinquished by: | Date: | Time: | Received by: |
| | | | |

LAB USE ONLY
Sample Temperature 2.7°

REMARKS:
- [ ] Standard
- [X] RUSH: Same Day (24 hr) 48 hr. 72 hr.
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

Analysis Request of Chain of Custody Record



# Tetra Tech, Inc.

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

| | | | |
|---|---|---|---|
| **Client Name:** | Conoco Phillips | **Site Manager:** | Christian Llull |
| **Project Name:** | VGEU 02-20 East FL Release | **Contact Info:** | Email: christian.llull@tetratech.com<br>Phone: (512) 338-1667 |
| **Project Location:** (county, state) | Lea County, NM | **Project #:** | 212C-MD-02305 |
| **Invoice to:** | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| **Receiving Laboratory:** | Pace Analytical | **Sampler Signature:** | Andrew Garcia |
| **Comments:** | COPTETRA Acctnum | | |

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

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING YEAR: 2021 DATE | SAMPLING TIME | MATRIX WATER | MATRIX SOIL | PRESERVATIVE METHOD HCL | PRESERVATIVE METHOD $HNO_3$ | PRESERVATIVE METHOD ICE | PRESERVATIVE METHOD NONE | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M ( GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | WSW-3 | 9/14/21 | 1630 | | X | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | |
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| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| Andrew Garcia | 9/17/21 | 900 | | 9-17-21 | 9:00 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | Mveler/Pace | 9/18 | 0845 |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
| | | | | | |

ORIGINAL COPY

**LAB USE ONLY**

Sample Temperature

**REMARKS:**

- ☐ Standard
- ☒ RUSH: Same Day (24 hr.) 48 hr. 72 hr.
- ☐ Rush Charges Authorized
- ☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

September 23, 2021

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on September 22, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Sam Abbott, Tetra Tech, Inc
Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## CERTIFICATIONS

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

**Pace Analytical Services Kansas**
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 2000302021-3
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## SAMPLE SUMMARY

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **60380917001** | **FS-9(4')** | Solid | 09/20/21 12:00 | 09/22/21 09:30 |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## SAMPLE ANALYTE COUNT

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **60380917001** | **FS-9(4')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

**Sample: FS-9(4')** **Lab ID: 60380917001** Collected: 09/20/21 12:00 Received: 09/22/21 09:30 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 10.4 | 1 | 09/22/21 15:31 | 09/23/21 09:29 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 10.4 | 1 | 09/22/21 15:31 | 09/23/21 09:29 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 88 | % | 31-152 | 1 | 09/22/21 15:31 | 09/23/21 09:29 | 646-31-1 | |
| p-Terphenyl (S) | 74 | % | 46-130 | 1 | 09/22/21 15:31 | 09/23/21 09:29 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 11.2 | 1 | 09/23/21 08:40 | 09/23/21 09:50 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 101 | % | 63-121 | 1 | 09/23/21 08:40 | 09/23/21 09:50 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 5.6 | 1 | 09/23/21 10:45 | 09/23/21 11:42 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 5.6 | 1 | 09/23/21 10:45 | 09/23/21 11:42 | 100-41-4 | |
| Toluene | **10.2** | ug/kg | 5.6 | 1 | 09/23/21 10:45 | 09/23/21 11:42 | 108-88-3 | 1e |
| Xylene (Total) | ND | ug/kg | 16.9 | 1 | 09/23/21 10:45 | 09/23/21 11:42 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 102 | % | 80-120 | 1 | 09/23/21 10:45 | 09/23/21 11:42 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | % | 83-119 | 1 | 09/23/21 10:45 | 09/23/21 11:42 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 101 | % | 80-120 | 1 | 09/23/21 10:45 | 09/23/21 11:42 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **6.1** | % | 0.50 | 1 | | 09/22/21 13:45 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | ND | mg/kg | 106 | 10 | 09/23/21 10:25 | 09/23/21 12:46 | 16887-00-6 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

QC Batch: 745017
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8015B
Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60380917001

METHOD BLANK: 2984411 Matrix: Solid
Associated Lab Samples: 60380917001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| TPH-GRO | mg/kg | ND | 10.0 | 09/23/21 09:12 | |
| 4-Bromofluorobenzene (S) | % | 100 | 63-121 | 09/23/21 09:12 | |

LABORATORY CONTROL SAMPLE: 2984412

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| TPH-GRO | mg/kg | 50 | 44.2 | 88 | 71-107 | |
| 4-Bromofluorobenzene (S) | % | | | 106 | 63-121 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2984413 2984414

| Parameter | Units | 60380917001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH-GRO | mg/kg | ND | 55.1 | 55.1 | 45.9 | 49.1 | 81 | 87 | 29-143 | 7 | 26 | |
| 4-Bromofluorobenzene (S) | % | | | | | | 102 | 104 | 63-121 | | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

QC Batch: 744988
QC Batch Method: EPA 5035A/5030B
Analysis Method: EPA 8260B
Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60380917001

METHOD BLANK: 2984271 Matrix: Solid
Associated Lab Samples: 60380917001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | ug/kg | ND | 5.0 | 09/23/21 10:24 | |
| Ethylbenzene | ug/kg | ND | 5.0 | 09/23/21 10:24 | |
| Toluene | ug/kg | 8.9 | 5.0 | 09/23/21 10:24 | |
| Xylene (Total) | ug/kg | ND | 15.0 | 09/23/21 10:24 | |
| 1,2-Dichlorobenzene-d4 (S) | % | 100 | 80-120 | 09/23/21 10:24 | |
| 4-Bromofluorobenzene (S) | % | 101 | 83-119 | 09/23/21 10:24 | |
| Toluene-d8 (S) | % | 113 | 80-120 | 09/23/21 10:24 | |

LABORATORY CONTROL SAMPLE: 2984272

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | ug/kg | 1250 | 1070 | 86 | 67-126 | |
| Ethylbenzene | ug/kg | 1250 | 1120 | 89 | 69-127 | |
| Toluene | ug/kg | 1250 | 1160 | 92 | 80-118 | |
| Xylene (Total) | ug/kg | 3750 | 3340 | 89 | 69-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 96 | 80-120 | |
| 4-Bromofluorobenzene (S) | % | | | 103 | 83-119 | |
| Toluene-d8 (S) | % | | | 97 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2984273 2984274

| Parameter | Units | 60380917001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/kg | ND | 1410 | 1410 | 1080 | 1110 | 77 | 79 | 17-134 | 3 | 53 | |
| Ethylbenzene | ug/kg | ND | 1410 | 1410 | 1160 | 1270 | 82 | 90 | 10-137 | 9 | 60 | |
| Toluene | ug/kg | 10.2 | 1410 | 1410 | 1160 | 1280 | 82 | 90 | 13-131 | 10 | 60 | |
| Xylene (Total) | ug/kg | ND | 4210 | 4210 | 3520 | 3710 | 84 | 88 | 10-137 | 5 | 58 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | | | | 104 | 99 | 80-120 | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 101 | 100 | 83-119 | | | |
| Toluene-d8 (S) | % | | | | | | 105 | 101 | 80-120 | | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

QC Batch: 744934
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60380917001

METHOD BLANK: 2984120 Matrix: Solid
Associated Lab Samples: 60380917001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| TPH-DRO (C10-C28) | mg/kg | ND | 9.8 | 09/23/21 09:13 | |
| TPH-ORO (C28-C35) | mg/kg | ND | 9.8 | 09/23/21 09:13 | |
| n-Tetracosane (S) | % | 98 | 31-152 | 09/23/21 09:13 | |
| p-Terphenyl (S) | % | 84 | 46-130 | 09/23/21 09:13 | |

LABORATORY CONTROL SAMPLE: 2984121

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| TPH-DRO (C10-C28) | mg/kg | 79.1 | 64.7 | 82 | 74-124 | |
| n-Tetracosane (S) | % | | | 116 | 31-152 | |
| p-Terphenyl (S) | % | | | 89 | 46-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2984122 2984123

| Parameter | Units | 60380917001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH-DRO (C10-C28) | mg/kg | ND | 88.5 | 87.7 | 68.5 | 50.9 | 72 | 52 | 30-130 | 30 | 35 | |
| n-Tetracosane (S) | % | | | | | | 86 | 90 | 31-152 | | | |
| p-Terphenyl (S) | % | | | | | | 81 | 76 | 46-130 | | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

QC Batch: 744895
QC Batch Method: ASTM D2974
Analysis Method: ASTM D2974
Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60380917001

METHOD BLANK: 2983983 Matrix: Solid
Associated Lab Samples: 60380917001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Percent Moisture | % | ND | 0.50 | 09/22/21 13:43 | |

SAMPLE DUPLICATE: 2983984

| Parameter | Units | 60380595021 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 17.0 | 16.6 | 2 | 20 | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

QC Batch: 745096
QC Batch Method: EPA 9056
Analysis Method: EPA 9056
Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City

Associated Lab Samples: 60380917001

METHOD BLANK: 2984639 Matrix: Solid
Associated Lab Samples: 60380917001

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Chloride | mg/kg | ND | 100 | 09/23/21 12:26 | |

LABORATORY CONTROL SAMPLE: 2984640

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Chloride | mg/kg | 500 | 458 | 92 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2984641 2984642

| Parameter | Units | 60380917001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/kg | ND | 553 | 543 | 521 | 509 | 82 | 81 | 80-120 | 2 | 15 | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

# QUALIFIERS

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## ANALYTE QUALIFIERS

| | |
|---|---|
| 1e | Analyte was detected in the associated method blank. Contamination detected is laboratory contamination due to outside source (Roofing Repair material). |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: VGEU 02-20 EAST FLOWLINE RELEA
Pace Project No.: 60380917

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **60380917001** | **FS-9(4')** | EPA 3546 | 744934 | EPA 8015B | 745058 |
| **60380917001** | **FS-9(4')** | EPA 5035A/5030B | 745017 | EPA 8015B | 745093 |
| **60380917001** | **FS-9(4')** | EPA 5035A/5030B | 744988 | EPA 8260B | 745149 |
| **60380917001** | **FS-9(4')** | ASTM D2974 | 744895 | | |
| **60380917001** | **FS-9(4')** | EPA 9056 | 745096 | EPA 9056 | 745124 |

Pace Analytical www.pacelabs.com

# Sample Condition Upon Receipt

**WO# : 60380917**

60380917

Client Name: TetraTech Inc

**Courier:** FedEx ☒ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

**Tracking #:** 2839 8039 2389 Pace Shipping Label Used? Yes ☐ No ☒

**Custody Seal on Cooler/Box Present:** Yes ☐ No ☒ Seals intact: Yes ☐ No ☐

**Packing Material:** Bubble Wrap ☐ Bubble Bags ☒ Foam ☐ None ☐ Other ☐

**Thermometer Used:** T290 **Type of Ice:** (Wet) Blue None

**Cooler Temperature (°C):** **As-read** 3.2 **Corr. Factor** -0.3 **Corrected** 2.9

**Date and initials of person examining contents:** 9/22/21 MLL

Temperature should be above freezing to 6°C

| | | |
|---|---|---|
| Chain of Custody present: | ☒Yes ☐No ☐N/A | |
| Chain of Custody relinquished: | ☒Yes ☐No ☐N/A | |
| Samples arrived within holding time: | ☒Yes ☐No ☐N/A | |
| **Short Hold Time analyses (<72hr):** | ☐Yes ☒No ☐N/A | |
| **Rush Turn Around Time requested:** | ☒Yes ☐No ☐N/A | 1 day |
| Sufficient volume: | ☒Yes ☐No ☐N/A | |
| Correct containers used: | ☒Yes ☐No ☐N/A | |
| Pace containers used: | ☒Yes ☐No ☐N/A | |
| Containers intact: | ☒Yes ☐No ☐N/A | |
| Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs? | ☐Yes ☐No ☒N/A | |
| Filtered volume received for dissolved tests? | ☐Yes ☐No ☒N/A | |
| Sample labels match COC: Date / time / ID / analyses | ☒Yes ☐No ☐N/A | |
| Samples contain multiple phases? Matrix: SL | ☐Yes ☒No ☐N/A | |
| Containers requiring pH preservation in compliance? ($HNO_3$, $H_2SO_4$, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# | ☐Yes ☐No ☒N/A | List sample IDs, volumes, lot #'s of preservative and the date/time added. |
| Cyanide water sample checks: Lead acetate strip turns dark? (Record only) | ☐Yes ☐No | |
| Potassium iodide test strip turns blue/purple? (Preserve) | ☐Yes ☐No | |
| Trip Blank present: | ☐Yes ☐No ☒N/A | |
| Headspace in VOA vials ( >6mm): | ☐Yes ☐No ☒N/A | |
| Samples from USDA Regulated Area: State: | ☐Yes ☒No ☐N/A | Rcvd in same cooler |
| Additional labels attached to 5035A / TX1005 vials in the field? | ☐Yes ☐No ☒N/A | as a USDA soil |

**Client Notification/ Resolution:** Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

F-KS-C-003-Rev.11, February 28, 2018

**Analysis Request of Chain of Custody Record**

6038091 7



# Tetra Tech, Inc.

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

6038091 7

| | | | |
|---|---|---|---|
| **Client Name:** | Conoco Phillips | **Site Manager:** | Christian Llull |
| **Project Name:** | VGEU 02-20 East Flowline Release | **Contact Info:** | Email: Christian.Llull@tetratech.com<br>Phone: (512) 565-0190 |
| **Project Location: (county, state)** | Lea County, New Mexico | **Project #:** | 212C-MD-02305 |
| **Invoice to:** | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| **Receiving Laboratory:** | Pace Analytical | **Sampler Signature:** | Andrew Garcia |
| **Comments:** | COPTETRA Acctnum | | |

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

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING DATE (YEAR: 2021) | SAMPLING TIME | MATRIX: WATER | MATRIX: SOIL | MATRIX: | PRESERVATIVE METHOD: HCL | PRESERVATIVE METHOD: $HNO_3$ | PRESERVATIVE METHOD: ICE | PRESERVATIVE METHOD: NONE | PRESERVATIVE METHOD: | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M ( GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FS-9 (4') | 09/20/21 | 1200 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | |
| | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
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| Relinquished by: | Date: | Time: | Received by: | Date: | Time: |
|---|---|---|---|---|---|
| Andrew Garcia | 21-Sep-21 | 14:00 | | 9-21-21 | 14:20 |
| | 9-21-21 | 14:30 | | 9-21-21 | 14:30 |
| | | | | | 0930 |

ORIGINAL COPY

**LAB USE ONLY**

Sample Temperature

2.9

**REMARKS:**

- [ ] Standard
- [X] RUSH: Same Day (24 hr.) 48 hr. 72 hr.
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

September 28, 2021

Christian Lull
Tetra Tech-Houston
8911 N Capital of Texas Hwy.
Bldg. 2, Suite 2310
Austin, TX 78759

RE: Project: 212C-MD-02305
Pace Project No.: 60381320

Dear Christian Lull:

Enclosed are the analytical results for sample(s) received by the laboratory on September 25, 2021. The results relate only to the samples included in this report. Results reported herein conform to the applicable TNI/NELAC Standards and the laboratory's Quality Manual, where applicable, unless otherwise noted in the body of the report.

The test results provided in this final report were generated by each of the following laboratories within the Pace Network:

- Pace Analytical Services - Kansas City

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Nolie Wood
nolie.wood@pacelabs.com
1(913)563-1401
Project Manager

Enclosures

cc: Sam Abbott, Tetra Tech, Inc
Ryan Dickerson, Tetra Tech Houston TX
John Thurston, Tetra Tech-Houston TX

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## CERTIFICATIONS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Pace Analytical Services Kansas**
9608 Loiret Boulevard, Lenexa, KS 66219
Missouri Inorganic Drinking Water Certification #: 10090
Arkansas Drinking Water
Arkansas Certification #: 20-020-0
Arkansas Drinking Water
Illinois Certification #: 2000302021-3
Iowa Certification #: 118
Kansas/NELAP Certification #: E-10116
Louisiana Certification #: 03055
Nevada Certification #: KS000212020-2
Oklahoma Certification #: 9205/9935
Florida: Cert E871149 SEKS WET
Texas Certification #: T104704407-19-12
Utah Certification #: KS000212019-9
Illinois Certification #: 004592
Kansas Field Laboratory Accreditation: # E-92587
Missouri SEKS Micro Certification: 10070

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## SAMPLE SUMMARY

Project: 212C-MD-02305
Pace Project No.: 60381320

| Lab ID | Sample ID | Matrix | Date Collected | Date Received |
|---|---|---|---|---|
| **60381320001** | **FS-1 (3')** | Solid | 09/22/21 09:00 | 09/25/21 08:55 |
| **60381320002** | **FS-2 (4')** | Solid | 09/22/21 10:00 | 09/25/21 08:55 |
| **60381320003** | **FS-3 (4')** | Solid | 09/22/21 11:00 | 09/25/21 08:55 |
| **60381320004** | **FS-4 (3')** | Solid | 09/22/21 12:00 | 09/25/21 08:55 |
| **60381320005** | **FS-5 (4')** | Solid | 09/22/21 13:00 | 09/25/21 08:55 |
| **60381320006** | **FS-6 (4')** | Solid | 09/22/21 14:00 | 09/25/21 08:55 |
| **60381320007** | **FS-7 (3')** | Solid | 09/22/21 15:00 | 09/25/21 08:55 |
| **60381320008** | **FS-8 (4')** | Solid | 09/23/21 16:00 | 09/25/21 08:55 |
| **60381320009** | **FS-10 (1')** | Solid | 09/23/21 17:00 | 09/25/21 08:55 |
| **60381320010** | **CSW-2** | Solid | 09/22/21 17:15 | 09/25/21 08:55 |
| **60381320011** | **CSW-3** | Solid | 09/23/21 09:00 | 09/25/21 08:55 |

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## SAMPLE ANALYTE COUNT

Project: 212C-MD-02305
Pace Project No.: 60381320

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| **60381320001** | **FS-1 (3')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320002** | **FS-2 (4')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320003** | **FS-3 (4')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320004** | **FS-4 (3')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320005** | **FS-5 (4')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320006** | **FS-6 (4')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320007** | **FS-7 (3')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320008** | **FS-8 (4')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

## SAMPLE ANALYTE COUNT

Project: 212C-MD-02305
Pace Project No.: 60381320

| Lab ID | Sample ID | Method | Analysts | Analytes Reported | Laboratory |
|---|---|---|---|---|---|
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320009** | **FS-10 (1')** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320010** | **CSW-2** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |
| **60381320011** | **CSW-3** | EPA 8015B | AHS | 4 | PASI-K |
| | | EPA 8015B | BB1 | 2 | PASI-K |
| | | EPA 8260B | CJC | 7 | PASI-K |
| | | ASTM D2974 | DWC | 1 | PASI-K |
| | | EPA 9056 | ALH | 1 | PASI-K |

PASI-K = Pace Analytical Services - Kansas City

Pace Analytical Services, LLC
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(913)599-5665

## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: FS-1 (3')** **Lab ID: 60381320001** Collected: 09/22/21 09:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 10.8 | 1 | 09/27/21 14:13 | 09/28/21 09:47 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 10.8 | 1 | 09/27/21 14:13 | 09/28/21 09:47 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 164 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 09:47 | 646-31-1 | S3 |
| p-Terphenyl (S) | 74 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 09:47 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 12.6 | 1 | 09/27/21 13:21 | 09/27/21 16:27 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 111 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 16:27 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 6.3 | 1 | 09/27/21 10:38 | 09/27/21 12:46 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 6.3 | 1 | 09/27/21 10:38 | 09/27/21 12:46 | 100-41-4 | |
| Toluene | ND | ug/kg | 6.3 | 1 | 09/27/21 10:38 | 09/27/21 12:46 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 18.9 | 1 | 09/27/21 10:38 | 09/27/21 12:46 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 113 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 12:46 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 12:46 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 12:46 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **12.2** | % | 0.50 | 1 | | 09/27/21 10:05 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **147** | mg/kg | 110 | 10 | 09/27/21 13:47 | 09/27/21 19:13 | 16887-00-6 | |

**Sample: FS-2 (4')** **Lab ID: 60381320002** Collected: 09/22/21 10:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 22.3 | 1 | 09/27/21 14:13 | 09/28/21 09:56 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 22.3 | 1 | 09/27/21 14:13 | 09/28/21 09:56 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 162 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 09:56 | 646-31-1 | S3 |
| p-Terphenyl (S) | 73 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 09:56 | 92-94-4 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: FS-2 (4')** **Lab ID: 60381320002** Collected: 09/22/21 10:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 12.5 | 1 | 09/27/21 13:21 | 09/27/21 16:43 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 111 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 16:43 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 6.3 | 1 | 09/27/21 10:38 | 09/27/21 13:06 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 6.3 | 1 | 09/27/21 10:38 | 09/27/21 13:06 | 100-41-4 | |
| Toluene | ND | ug/kg | 6.3 | 1 | 09/27/21 10:38 | 09/27/21 13:06 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 18.8 | 1 | 09/27/21 10:38 | 09/27/21 13:06 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 111 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 13:06 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 13:06 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 13:06 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **18.1** | % | 0.50 | 1 | | 09/27/21 10:05 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **260** | mg/kg | 124 | 10 | 09/27/21 13:47 | 09/27/21 19:32 | 16887-00-6 | |

**Sample: FS-3 (4')** **Lab ID: 60381320003** Collected: 09/22/21 11:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 35.8 | 1 | 09/27/21 14:13 | 09/28/21 10:04 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 35.8 | 1 | 09/27/21 14:13 | 09/28/21 10:04 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 137 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 10:04 | 646-31-1 | |
| p-Terphenyl (S) | 73 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 10:04 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 15.2 | 1 | 09/27/21 13:21 | 09/27/21 16:58 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 111 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 16:58 | 460-00-4 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
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(913)599-5665

## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: FS-3 (4')** **Lab ID: 60381320003** Collected: 09/22/21 11:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 7.6 | 1 | 09/27/21 10:38 | 09/27/21 13:26 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 7.6 | 1 | 09/27/21 10:38 | 09/27/21 13:26 | 100-41-4 | |
| Toluene | ND | ug/kg | 7.6 | 1 | 09/27/21 10:38 | 09/27/21 13:26 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 22.8 | 1 | 09/27/21 10:38 | 09/27/21 13:26 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 115 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 13:26 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 98 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 13:26 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 103 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 13:26 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **22.2** | % | 0.50 | 1 | | 09/27/21 10:05 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **490** | mg/kg | 130 | 10 | 09/27/21 13:47 | 09/27/21 19:51 | 16887-00-6 | |

**Sample: FS-4 (3')** **Lab ID: 60381320004** Collected: 09/22/21 12:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 10.5 | 1 | 09/27/21 14:13 | 09/28/21 10:28 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 10.5 | 1 | 09/27/21 14:13 | 09/28/21 10:28 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 124 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 10:28 | 646-31-1 | |
| p-Terphenyl (S) | 79 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 10:28 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 11.8 | 1 | 09/27/21 13:21 | 09/27/21 17:13 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 111 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 17:13 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 5.9 | 1 | 09/27/21 10:38 | 09/27/21 13:46 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 5.9 | 1 | 09/27/21 10:38 | 09/27/21 13:46 | 100-41-4 | |
| Toluene | ND | ug/kg | 5.9 | 1 | 09/27/21 10:38 | 09/27/21 13:46 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 17.6 | 1 | 09/27/21 10:38 | 09/27/21 13:46 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 109 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 13:46 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: FS-4 (3')** **Lab ID: 60381320004** Collected: 09/22/21 12:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 102 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 13:46 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 104 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 13:46 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **10.6** | % | 0.50 | 1 | | 09/27/21 10:05 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **192** | mg/kg | 112 | 10 | 09/27/21 13:47 | 09/27/21 20:10 | 16887-00-6 | |

**Sample: FS-5 (4')** **Lab ID: 60381320005** Collected: 09/22/21 13:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 37.2 | 1 | 09/27/21 14:13 | 09/28/21 10:37 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 37.2 | 1 | 09/27/21 14:13 | 09/28/21 10:37 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 108 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 10:37 | 646-31-1 | |
| p-Terphenyl (S) | 73 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 10:37 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 17.6 | 1 | 09/27/21 13:21 | 09/27/21 17:28 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 113 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 17:28 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 8.8 | 1 | 09/27/21 10:38 | 09/27/21 14:06 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 8.8 | 1 | 09/27/21 10:38 | 09/27/21 14:06 | 100-41-4 | |
| Toluene | ND | ug/kg | 8.8 | 1 | 09/27/21 10:38 | 09/27/21 14:06 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 26.4 | 1 | 09/27/21 10:38 | 09/27/21 14:06 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 113 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 14:06 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 99 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 14:06 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 14:06 | 2199-69-1 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
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(913)599-5665

## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: FS-5 (4')** **Lab ID: 60381320005** Collected: 09/22/21 13:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **29.2** | % | 0.50 | 1 | | 09/27/21 10:05 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **170** | mg/kg | 142 | 10 | 09/27/21 13:47 | 09/27/21 20:29 | 16887-00-6 | |

**Sample: FS-6 (4')** **Lab ID: 60381320006** Collected: 09/22/21 14:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546 Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 11.1 | 1 | 09/27/21 14:13 | 09/28/21 10:45 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 11.1 | 1 | 09/27/21 14:13 | 09/28/21 10:45 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 102 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 10:45 | 646-31-1 | |
| p-Terphenyl (S) | 81 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 10:45 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 12.7 | 1 | 09/27/21 13:21 | 09/27/21 17:43 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 110 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 17:43 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 6.3 | 1 | 09/27/21 10:38 | 09/27/21 14:27 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 6.3 | 1 | 09/27/21 10:38 | 09/27/21 14:27 | 100-41-4 | |
| Toluene | ND | ug/kg | 6.3 | 1 | 09/27/21 10:38 | 09/27/21 14:27 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 19.0 | 1 | 09/27/21 10:38 | 09/27/21 14:27 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 114 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 14:27 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 14:27 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 105 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 14:27 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974 Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **14.1** | % | 0.50 | 1 | | 09/27/21 10:05 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056 Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **126** | mg/kg | 113 | 10 | 09/27/21 13:47 | 09/27/21 20:47 | 16887-00-6 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
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(913)599-5665

## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: FS-7 (3')** **Lab ID: 60381320007** Collected: 09/22/21 15:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 31.8 | 1 | 09/27/21 14:13 | 09/28/21 10:53 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 31.8 | 1 | 09/27/21 14:13 | 09/28/21 10:53 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 92 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 10:53 | 646-31-1 | |
| p-Terphenyl (S) | 75 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 10:53 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 11.5 | 1 | 09/27/21 13:21 | 09/27/21 17:58 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 110 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 17:58 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 5.8 | 1 | 09/27/21 10:38 | 09/27/21 14:47 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 5.8 | 1 | 09/27/21 10:38 | 09/27/21 14:47 | 100-41-4 | |
| Toluene | ND | ug/kg | 5.8 | 1 | 09/27/21 10:38 | 09/27/21 14:47 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 17.3 | 1 | 09/27/21 10:38 | 09/27/21 14:47 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 116 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 14:47 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 14:47 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 103 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 14:47 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **10.0** | % | 0.50 | 1 | | 09/27/21 10:06 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **266** | mg/kg | 109 | 10 | 09/27/21 13:47 | 09/27/21 21:06 | 16887-00-6 | |

**Sample: FS-8 (4')** **Lab ID: 60381320008** Collected: 09/23/21 16:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 11.2 | 1 | 09/27/21 14:13 | 09/28/21 11:02 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 11.2 | 1 | 09/27/21 14:13 | 09/28/21 11:02 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 94 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 11:02 | 646-31-1 | |
| p-Terphenyl (S) | 77 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 11:02 | 92-94-4 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: FS-8 (4')** **Lab ID: 60381320008** Collected: 09/23/21 16:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 12.2 | 1 | 09/27/21 13:21 | 09/27/21 18:44 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 112 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 18:44 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 6.1 | 1 | 09/27/21 10:38 | 09/27/21 15:07 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 6.1 | 1 | 09/27/21 10:38 | 09/27/21 15:07 | 100-41-4 | |
| Toluene | ND | ug/kg | 6.1 | 1 | 09/27/21 10:38 | 09/27/21 15:07 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 18.3 | 1 | 09/27/21 10:38 | 09/27/21 15:07 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 112 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 15:07 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 15:07 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 15:07 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **11.0** | % | 0.50 | 1 | | 09/27/21 10:06 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **277** | mg/kg | 112 | 10 | 09/27/21 13:47 | 09/27/21 21:25 | 16887-00-6 | |

**Sample: FS-10 (1')** **Lab ID: 60381320009** Collected: 09/23/21 17:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | **15.4** | mg/kg | 11.9 | 1 | 09/27/21 14:13 | 09/28/21 11:10 | | |
| TPH-ORO (C28-C35) | **16.8** | mg/kg | 11.9 | 1 | 09/27/21 14:13 | 09/28/21 11:10 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 67 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 11:10 | 646-31-1 | |
| p-Terphenyl (S) | 55 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 11:10 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 13.3 | 1 | 09/27/21 13:21 | 09/27/21 19:29 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 110 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 19:29 | 460-00-4 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: FS-10 (1')** **Lab ID: 60381320009** Collected: 09/23/21 17:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 6.7 | 1 | 09/27/21 10:38 | 09/27/21 15:27 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 6.7 | 1 | 09/27/21 10:38 | 09/27/21 15:27 | 100-41-4 | |
| Toluene | ND | ug/kg | 6.7 | 1 | 09/27/21 10:38 | 09/27/21 15:27 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 20.0 | 1 | 09/27/21 10:38 | 09/27/21 15:27 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 110 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 15:27 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 101 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 15:27 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 15:27 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **18.4** | % | 0.50 | 1 | | 09/27/21 10:06 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **258** | mg/kg | 126 | 10 | 09/27/21 13:47 | 09/27/21 22:22 | 16887-00-6 | |

**Sample: CSW-2** **Lab ID: 60381320010** Collected: 09/22/21 17:15 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 36.1 | 1 | 09/27/21 14:13 | 09/28/21 11:18 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 36.1 | 1 | 09/27/21 14:13 | 09/28/21 11:18 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 80 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 11:18 | 646-31-1 | |
| p-Terphenyl (S) | 76 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 11:18 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 15.8 | 1 | 09/27/21 13:21 | 09/27/21 19:45 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 112 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 19:45 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 7.9 | 1 | 09/27/21 10:38 | 09/27/21 15:47 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 7.9 | 1 | 09/27/21 10:38 | 09/27/21 15:47 | 100-41-4 | |
| Toluene | ND | ug/kg | 7.9 | 1 | 09/27/21 10:38 | 09/27/21 15:47 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 23.7 | 1 | 09/27/21 10:38 | 09/27/21 15:47 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 113 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 15:47 | 2037-26-5 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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(913)599-5665

## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: CSW-2** **Lab ID: 60381320010** Collected: 09/22/21 17:15 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 103 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 15:47 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 102 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 15:47 | 2199-69-1 | |
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **22.9** | % | 0.50 | 1 | | 09/27/21 10:06 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **220** | mg/kg | 126 | 10 | 09/27/21 13:47 | 09/27/21 22:41 | 16887-00-6 | |

**Sample: CSW-3** **Lab ID: 60381320011** Collected: 09/23/21 09:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **8015B Diesel Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 3546<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-DRO (C10-C28) | ND | mg/kg | 32.7 | 1 | 09/27/21 14:13 | 09/28/21 11:26 | | |
| TPH-ORO (C28-C35) | ND | mg/kg | 32.7 | 1 | 09/27/21 14:13 | 09/28/21 11:26 | | |
| ***Surrogates*** | | | | | | | | |
| n-Tetracosane (S) | 74 | % | 31-152 | 1 | 09/27/21 14:13 | 09/28/21 11:26 | 646-31-1 | |
| p-Terphenyl (S) | 69 | % | 46-130 | 1 | 09/27/21 14:13 | 09/28/21 11:26 | 92-94-4 | |
| **Gasoline Range Organics** | Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| TPH-GRO | ND | mg/kg | 14.5 | 1 | 09/27/21 13:21 | 09/27/21 20:00 | | |
| ***Surrogates*** | | | | | | | | |
| 4-Bromofluorobenzene (S) | 111 | % | 63-121 | 1 | 09/27/21 13:21 | 09/27/21 20:00 | 460-00-4 | |
| **8260B MSV 5035A Low Level** | Analytical Method: EPA 8260B Preparation Method: EPA 5035A/5030B<br>Pace Analytical Services - Kansas City | | | | | | | |
| Benzene | ND | ug/kg | 7.3 | 1 | 09/27/21 10:38 | 09/27/21 16:08 | 71-43-2 | |
| Ethylbenzene | ND | ug/kg | 7.3 | 1 | 09/27/21 10:38 | 09/27/21 16:08 | 100-41-4 | |
| Toluene | ND | ug/kg | 7.3 | 1 | 09/27/21 10:38 | 09/27/21 16:08 | 108-88-3 | |
| Xylene (Total) | ND | ug/kg | 21.8 | 1 | 09/27/21 10:38 | 09/27/21 16:08 | 1330-20-7 | |
| ***Surrogates*** | | | | | | | | |
| Toluene-d8 (S) | 115 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 16:08 | 2037-26-5 | |
| 4-Bromofluorobenzene (S) | 103 | % | 83-119 | 1 | 09/27/21 10:38 | 09/27/21 16:08 | 460-00-4 | |
| 1,2-Dichlorobenzene-d4 (S) | 103 | % | 80-120 | 1 | 09/27/21 10:38 | 09/27/21 16:08 | 2199-69-1 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## ANALYTICAL RESULTS

Project: 212C-MD-02305
Pace Project No.: 60381320

**Sample: CSW-3** **Lab ID: 60381320011** Collected: 09/23/21 09:00 Received: 09/25/21 08:55 Matrix: Solid

***Results reported on a "dry weight" basis and are adjusted for percent moisture, sample size and any dilutions.***

| Parameters | Results | Units | Report Limit | DF | Prepared | Analyzed | CAS No. | Qual |
|---|---|---|---|---|---|---|---|---|
| **Percent Moisture** | Analytical Method: ASTM D2974<br>Pace Analytical Services - Kansas City | | | | | | | |
| Percent Moisture | **21.1** | % | 0.50 | 1 | | 09/27/21 10:06 | | |
| **9056 IC Anions** | Analytical Method: EPA 9056 Preparation Method: EPA 9056<br>Pace Analytical Services - Kansas City | | | | | | | |
| Chloride | **281** | mg/kg | 128 | 10 | 09/27/21 13:47 | 09/27/21 22:59 | 16887-00-6 | |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA

Project: 212C-MD-02305
Pace Project No.: 60381320

QC Batch: 745796 — Analysis Method: EPA 8015B
QC Batch Method: EPA 5035A/5030B — Analysis Description: Gasoline Range Organics
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

METHOD BLANK: 2987542 — Matrix: Solid
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| TPH-GRO | mg/kg | ND | 10.0 | 09/27/21 16:12 | |
| 4-Bromofluorobenzene (S) | % | 112 | 63-121 | 09/27/21 16:12 | |

LABORATORY CONTROL SAMPLE: 2987543

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| TPH-GRO | mg/kg | 50 | 43.0 | 86 | 71-107 | |
| 4-Bromofluorobenzene (S) | % | | | 115 | 63-121 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2987606 2987607

| Parameter | Units | 60381320007 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH-GRO | mg/kg | ND | 57.6 | 57.6 | 48.6 | 49.5 | 83 | 85 | 29-143 | 2 | 26 | |
| 4-Bromofluorobenzene (S) | % | | | | | | 112 | 114 | 63-121 | | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

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(913)599-5665

## QUALITY CONTROL DATA

Project: 212C-MD-02305
Pace Project No.: 60381320

QC Batch: 745743 — Analysis Method: EPA 8260B
QC Batch Method: EPA 5035A/5030B — Analysis Description: 8260B MSV 5035A Low Level
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

METHOD BLANK: 2987298 — Matrix: Solid
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Benzene | ug/kg | ND | 5.0 | 09/27/21 09:41 | |
| Ethylbenzene | ug/kg | ND | 5.0 | 09/27/21 09:41 | |
| Toluene | ug/kg | ND | 5.0 | 09/27/21 09:41 | |
| Xylene (Total) | ug/kg | ND | 15.0 | 09/27/21 09:41 | |
| 1,2-Dichlorobenzene-d4 (S) | % | 104 | 80-120 | 09/27/21 09:41 | |
| 4-Bromofluorobenzene (S) | % | 103 | 83-119 | 09/27/21 09:41 | |
| Toluene-d8 (S) | % | 110 | 80-120 | 09/27/21 09:41 | |

LABORATORY CONTROL SAMPLE: 2987299

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Benzene | ug/kg | 1250 | 998 | 80 | 67-126 | |
| Ethylbenzene | ug/kg | 1250 | 1110 | 89 | 69-127 | |
| Toluene | ug/kg | 1250 | 1140 | 91 | 80-118 | |
| Xylene (Total) | ug/kg | 3750 | 3310 | 88 | 69-130 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | 100 | 80-120 | |
| 4-Bromofluorobenzene (S) | % | | | 102 | 83-119 | |
| Toluene-d8 (S) | % | | | 98 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2987300 2987301

| Parameter | Units | 60381320001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Benzene | ug/kg | ND | 1520 | 1520 | 1200 | 1200 | 79 | 79 | 17-134 | 0 | 53 | |
| Ethylbenzene | ug/kg | ND | 1520 | 1520 | 1350 | 1350 | 89 | 89 | 10-137 | 0 | 60 | |
| Toluene | ug/kg | ND | 1520 | 1520 | 1360 | 1330 | 90 | 88 | 13-131 | 2 | 60 | |
| Xylene (Total) | ug/kg | ND | 4530 | 4530 | 3990 | 4020 | 88 | 89 | 10-137 | 1 | 58 | |
| 1,2-Dichlorobenzene-d4 (S) | % | | | | | | 102 | 100 | 80-120 | | | |
| 4-Bromofluorobenzene (S) | % | | | | | | 102 | 103 | 83-119 | | | |
| Toluene-d8 (S) | % | | | | | | 98 | 97 | 80-120 | | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA

Project: 212C-MD-02305
Pace Project No.: 60381320

QC Batch: 745713
QC Batch Method: EPA 3546
Analysis Method: EPA 8015B
Analysis Description: EPA 8015B
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

METHOD BLANK: 2987208 Matrix: Solid
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| TPH-DRO (C10-C28) | mg/kg | ND | 9.8 | 09/28/21 09:31 | |
| TPH-ORO (C28-C35) | mg/kg | ND | 9.8 | 09/28/21 09:31 | |
| n-Tetracosane (S) | % | 63 | 31-152 | 09/28/21 09:31 | |
| p-Terphenyl (S) | % | 79 | 46-130 | 09/28/21 09:31 | |

LABORATORY CONTROL SAMPLE: 2987209

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| TPH-DRO (C10-C28) | mg/kg | 80.2 | 64.5 | 80 | 74-124 | |
| n-Tetracosane (S) | % | | | 222 | 31-152 | S1 |
| p-Terphenyl (S) | % | | | 82 | 46-130 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2987839 2987840

| Parameter | Units | 60381320003 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| TPH-DRO (C10-C28) | mg/kg | ND | 317 | 316 | 264 | 282 | 83 | 88 | 30-130 | 6 | 35 | |
| n-Tetracosane (S) | % | | | | | | 139 | 140 | 31-152 | | | |
| p-Terphenyl (S) | % | | | | | | 81 | 93 | 46-130 | | | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
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Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA

Project: 212C-MD-02305
Pace Project No.: 60381320

QC Batch: 745719 Analysis Method: ASTM D2974
QC Batch Method: ASTM D2974 Analysis Description: Dry Weight/Percent Moisture
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

METHOD BLANK: 2987232 Matrix: Solid
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Percent Moisture | % | ND | 0.50 | 09/27/21 10:05 | |

SAMPLE DUPLICATE: 2987233

| Parameter | Units | 60381314001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Percent Moisture | % | 17.0 | 17.2 | 1 | 20 | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA

Project: 212C-MD-02305
Pace Project No.: 60381320

QC Batch: 745725 — Analysis Method: EPA 9056
QC Batch Method: EPA 9056 — Analysis Description: 9056 IC Anions
Laboratory: Pace Analytical Services - Kansas City
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

METHOD BLANK: 2987249 — Matrix: Solid
Associated Lab Samples: 60381320001, 60381320002, 60381320003, 60381320004, 60381320005, 60381320006, 60381320007, 60381320008, 60381320009, 60381320010, 60381320011

| Parameter | Units | Blank Result | Reporting Limit | Analyzed | Qualifiers |
|---|---|---|---|---|---|
| Chloride | mg/kg | ND | 100 | 09/27/21 10:18 | |

LABORATORY CONTROL SAMPLE: 2987250

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---|---|---|---|---|---|---|
| Chloride | mg/kg | 500 | 507 | 101 | 80-120 | |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2987251 2987252

| Parameter | Units | 60380683001 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Chloride | mg/kg | 13000 | 2560 | 2600 | 15400 | 15500 | 93 | 96 | 80-120 | 1 | 15 | |

SAMPLE DUPLICATE: 2987253

| Parameter | Units | 60380653001 Result | Dup Result | RPD | Max RPD | Qualifiers |
|---|---|---|---|---|---|---|
| Chloride | mg/kg | 73.1J | 75.4J | | 15 | |

**Results presented on this page are in the units indicated by the "Units" column except where an alternate unit is presented to the right of the result.**

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

# QUALIFIERS

Project: 212C-MD-02305
Pace Project No.: 60381320

## DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to dilution of the sample aliquot.

ND - Not Detected at or above adjusted reporting limit.

TNTC - Too Numerous To Count

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PQL - Practical Quantitation Limit.

RL - Reporting Limit - The lowest concentration value that meets project requirements for quantitative data with known precision and bias for a specific analyte in a specific matrix.

S - Surrogate

1,2-Diphenylhydrazine decomposes to and cannot be separated from Azobenzene using Method 8270. The result for each analyte is a combined concentration.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Reported results are not rounded until the final step prior to reporting. Therefore, calculated parameters that are typically reported as "Total" may vary slightly from the sum of the reported component parameters.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

## ANALYTE QUALIFIERS

| | |
|---|---|
| S1 | Surrogate recovery outside laboratory control limits (confirmed by re-analysis). |
| S3 | Surrogate recovery exceeded laboratory control limits. Analyte presence below reporting limits in associated sample. |

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 212C-MD-02305
Pace Project No.: 60381320

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| 60381320001 | FS-1 (3') | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320002 | FS-2 (4') | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320003 | FS-3 (4') | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320004 | FS-4 (3') | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320005 | FS-5 (4') | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320006 | FS-6 (4') | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320007 | FS-7 (3') | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320008 | FS-8 (4') | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320009 | FS-10 (1') | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320010 | CSW-2 | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320011 | CSW-3 | EPA 3546 | 745713 | EPA 8015B | 745941 |
| 60381320001 | FS-1 (3') | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320002 | FS-2 (4') | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320003 | FS-3 (4') | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320004 | FS-4 (3') | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320005 | FS-5 (4') | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320006 | FS-6 (4') | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320007 | FS-7 (3') | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320008 | FS-8 (4') | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320009 | FS-10 (1') | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320010 | CSW-2 | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320011 | CSW-3 | EPA 5035A/5030B | 745796 | EPA 8015B | 745831 |
| 60381320001 | FS-1 (3') | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320002 | FS-2 (4') | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320003 | FS-3 (4') | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320004 | FS-4 (3') | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320005 | FS-5 (4') | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320006 | FS-6 (4') | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320007 | FS-7 (3') | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320008 | FS-8 (4') | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320009 | FS-10 (1') | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320010 | CSW-2 | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320011 | CSW-3 | EPA 5035A/5030B | 745743 | EPA 8260B | 745770 |
| 60381320001 | FS-1 (3') | ASTM D2974 | 745719 | | |
| 60381320002 | FS-2 (4') | ASTM D2974 | 745719 | | |
| 60381320003 | FS-3 (4') | ASTM D2974 | 745719 | | |
| 60381320004 | FS-4 (3') | ASTM D2974 | 745719 | | |
| 60381320005 | FS-5 (4') | ASTM D2974 | 745719 | | |
| 60381320006 | FS-6 (4') | ASTM D2974 | 745719 | | |
| 60381320007 | FS-7 (3') | ASTM D2974 | 745719 | | |
| 60381320008 | FS-8 (4') | ASTM D2974 | 745719 | | |
| 60381320009 | FS-10 (1') | ASTM D2974 | 745719 | | |
| 60381320010 | CSW-2 | ASTM D2974 | 745719 | | |
| 60381320011 | CSW-3 | ASTM D2974 | 745719 | | |
| 60381320001 | FS-1 (3') | EPA 9056 | 745725 | EPA 9056 | 745819 |
| 60381320002 | FS-2 (4') | EPA 9056 | 745725 | EPA 9056 | 745819 |
| 60381320003 | FS-3 (4') | EPA 9056 | 745725 | EPA 9056 | 745819 |

## REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, LLC
9608 Loiret Blvd.
Lenexa, KS 66219
(913)599-5665

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 212C-MD-02305
Pace Project No.: 60381320

| Lab ID | Sample ID | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|---|---|---|---|---|---|
| **60381320004** | **FS-4 (3')** | EPA 9056 | 745725 | EPA 9056 | 745819 |
| **60381320005** | **FS-5 (4')** | EPA 9056 | 745725 | EPA 9056 | 745819 |
| **60381320006** | **FS-6 (4')** | EPA 9056 | 745725 | EPA 9056 | 745819 |
| **60381320007** | **FS-7 (3')** | EPA 9056 | 745725 | EPA 9056 | 745819 |
| **60381320008** | **FS-8 (4')** | EPA 9056 | 745725 | EPA 9056 | 745819 |
| **60381320009** | **FS-10 (1')** | EPA 9056 | 745725 | EPA 9056 | 745819 |
| **60381320010** | **CSW-2** | EPA 9056 | 745725 | EPA 9056 | 745819 |
| **60381320011** | **CSW-3** | EPA 9056 | 745725 | EPA 9056 | 745819 |

Pace Analytical
www.pacelabs.com

# Sample Condition Upon Receipt

WO# : 60381320

60381320

Client Name: Tetra Tech

**Courier:** FedEx ☑ UPS ☐ VIA ☐ Clay ☐ PEX ☐ ECI ☐ Pace ☐ Xroads ☐ Client ☐ Other ☐

**Tracking #:** 284160275170 Pace Shipping Label Used? Yes ☐ No ☑

**Custody Seal on Cooler/Box Present:** Yes ☐ No ☑ Seals intact: Yes ☐ No ☑

**Packing Material:** Bubble Wrap ☐ Bubble Bags ☑ Foam ☐ None ☐ Other ☐

**Thermometer Used:** T-296 **Type of Ice:** Wet Blue None

**Cooler Temperature (°C):** **As-read** 2.9 **Corr. Factor** -0.3 **Corrected** 2.6

**Date and initials of person examining contents:** 9-25-21 SP

Temperature should be above freezing to 6°C

| | | |
|---|---|---|
| Chain of Custody present: | ☑Yes ☐No ☐N/A | |
| Chain of Custody relinquished: | ☑Yes ☐No ☐N/A | |
| Samples arrived within holding time: | ☑Yes ☐No ☐N/A | |
| **Short Hold Time analyses (<72hr):** | ☐Yes ☑No ☐N/A | |
| **Rush Turn Around Time requested:** | ☑Yes ☐No ☐N/A | 1-Day |
| Sufficient volume: | ☑Yes ☐No ☐N/A | |
| Correct containers used: | ☑Yes ☐No ☐N/A | |
| Pace containers used: | ☑Yes ☐No ☐N/A | |
| Containers intact: | ☑Yes ☐No ☐N/A | |
| Unpreserved 5035A / TX1005/1006 soils frozen in 48hrs? | ☐Yes ☐No ☑N/A | |
| Filtered volume received for dissolved tests? | ☐Yes ☐No ☑N/A | |
| Sample labels match COC: Date / time / ID / analyses | ☑Yes ☐No ☐N/A | |
| Samples contain multiple phases? Matrix: SL | ☐Yes ☑No ☐N/A | |
| Containers requiring pH preservation in compliance? ($HNO_3$, $H_2SO_4$, HCl<2; NaOH>9 Sulfide, NaOH>10 Cyanide) (Exceptions: VOA, Micro, O&G, KS TPH, OK-DRO) LOT# | ☐Yes ☐No ☑N/A | List sample IDs, volumes, lot #'s of preservative and the date/time added. Samples with water in jar # 3, 5, 7, 10 & 11. |
| Cyanide water sample checks: Lead acetate strip turns dark? (Record only) | ☐Yes ☐No | |
| Potassium iodide test strip turns blue/purple? (Preserve) | ☐Yes ☐No | |
| Trip Blank present: | ☐Yes ☐No ☑N/A | |
| Headspace in VOA vials ( >6mm): | ☐Yes ☐No ☑N/A | |
| Samples from USDA Regulated Area: State: NM | ☐Yes ☑No ☐N/A | |
| Additional labels attached to 5035A / TX1005 vials in the field? | ☐Yes ☐No ☑N/A | |

**Client Notification/ Resolution:** Copy COC to Client? Y / N Field Data Required? Y / N

Person Contacted: _____ Date/Time: _____

Comments/ Resolution: _____

Project Manager Review: _____ Date: _____

COC PAGE ___ of ___

SBS
DI
MeOH (only)
BK
Kit

Client: Tetra Tech

## Sample Container Count

Profile # _____

Site: _____

Notes _____

| COC Line Item | Matrix | R | VG9H | DG9H | DG9Q | VG9U | DG9U | BG1U | AG1H | AG1U | AG2U | AG3S | AG4U | AG5U | BP1U | BP2U | BP3U | BP1N | BP3N | BP3F | BP3S | BP3C | BP3Z | JGFU | WGKU | ZPLC | DG9M | DG9B | Wipe | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 6 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 8 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 11 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

Container Codes

| Glass | | | |
|---|---|---|---|
| DG9B | 40mL bisulfate clear vial | WGKU | 8oz clear soil jar |
| DG9H | 40mL HCl amber voa vial | WGFU | 4oz clear soil jar |
| DG9M | 40mL MeOH clear vial | WG2U | 2oz clear soil jar |
| DG9Q | 40mL TSP amber vial | JGFU | 4oz unpreserved amber wide |
| DG9S | 40mL H2SO4 amber vial | AG0U | 100mL unores amber glass |
| DG9T | 40mL Na Thio amber vial | AG1H | 1L HCl amber glass |
| DG9U | 40mL amber unpreserved | AG1S | 1L H2SO4 amber glass |
| VG9H | 40mL HCl clear vial | AG1T | 1L Na Thiosulfate clear/amber glass |
| VG9T | 40mL Na Thio. clear vial | AG1U | 1liter unpres amber glass |
| VG9U | 40mL unpreserved clear vial | AG2N | 500mL HNO3 amber glass |
| BG1S | 1liter H2SO4 clear glass | AG2S | 500mL H2SO4 amber glass |
| BG1U | 1liter unpres glass | AG3S | 250mL H2SO4 amber glass |
| BG3H | 250mL HCL Clear glass | AG2U | 500mL unpres amber glass |
| BG3U | 250mL Unpres Clear glass | AG3U | 250mL unpres amber glass |
| | | AG4U | 125mL unpres amber glass |
| | | AG5U | 100mL unpres amber glass |

| Plastic | |
|---|---|
| BP1C | 1L NAOH plastic |
| BP1N | 1L HNO3 plastic |
| BP1S | 1L H2SO4 plastic |
| BP1U | 1L unpreserved plastic |
| BP1Z | 1L NaOH, Zn Acetate |
| BP2C | 500mL NAOH plastic |
| BP2N | 500mL HNO3 plastic |
| BP2S | 500mL H2SO4 plastic |
| BP2U | 500mL unpreserved plastic |
| BP2Z | 500mL NaOH, Zn Acetate |
| BP3C | 250mL NaOH plastic |
| BP3F | 250mL HNO3 plastic - field filtered |
| BP3N | 250mL HNO3 plastic |
| BP3U | 250mL unpreserved plastic |
| BP3S | 250mL H2SO4 plastic |
| BP3Z | 250mL NaOH, Zn Acetate |
| BP4U | 125mL unpreserved plastic |
| BP4N | 125mL HNO3 plastic |
| BP4S | 125mL H2SO4 plastic |

| Misc. | |
|---|---|
| I | Wipe/Swab |
| SP5T | 120mL Coliform Na Thiosulfate |
| ZPLC | Ziploc Bag |
| AF | Air Filter |
| C | Air Cassettes |
| R | Terracore Kit |
| U | Summa Can |

| Matrix | |
|---|---|
| WT | Water |
| SL | Solid |
| NAL | Non-aqueous Liquid |
| OL | OIL |
| WP | Wipe |
| DW | Drinking Water |

Analysis Request of Chain of Custody Record



# Tetra Tech, Inc.

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

| | | | |
|---|---|---|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | VGEU 02-20 East Flowline Release | Contact Info: | Email: Christian.Llull@tetratech.com<br>Phone: (512) 565-0190 |
| Project Location: (county, state) | Lea County, New Mexico | Project #: | 212C-MD-02305 |
| Invoice to: | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | Andrew Garcia |

Comments: COPTETRA Acctnum

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

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING YEAR: 2021 DATE | SAMPLING TIME | MATRIX WATER | MATRIX SOIL | MATRIX | PRESERVATIVE METHOD HCL | PRESERVATIVE METHOD $HNO_3$ | PRESERVATIVE METHOD ICE | PRESERVATIVE METHOD NONE | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M ( GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | HOLD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | CSW-3 | 09/23/21 | 900 | | X | | | | X | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | LAB USE ONLY | REMARKS: |
| Andrew Garcia | 24-Sep-21 | 15:30 | | 9-24-21 | 15:30 | Sample Temperature 2.0° | ☐ Standard |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | | ☒ RUSH: Same Day (24 hr.) 48 hr. 72 hr. |
| | 9-24-21 | 16:30 | | 9-24-21 | 16:30 | | ☐ Rush Charges Authorized |
| Relinquished by: | Date: | Time: | Received by: | Date: | Time: | | ☐ Special Report Limits or TRRP Report |
| | | | Miller/Pace | 9/25/21 | 0855 | | |

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

ORIGINAL COPY

Analysis Request of Chain of Custody Record



# Tetra Tech, Inc.

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

60361320

| | | | |
|---|---|---|---|
| Client Name: | Conoco Phillips | Site Manager: | Christian Llull |
| Project Name: | VGEU 02-20 East Flowline Release | Contact Info: | Email: Christian.Llull@tetratech.com<br>Phone: (512) 565-0190 |
| Project Location: (County, state) | Lea County, New Mexico | Project #: | 212C-MD-02305 |
| Invoice to: | Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701 | | |
| Receiving Laboratory: | Pace Analytical | Sampler Signature: | Andrew Garcia |

Comments: COPTETRA Acctnum

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

| LAB # (LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING YEAR: 2021 DATE | SAMPLING TIME | MATRIX WATER | MATRIX SOIL | MATRIX | PRESERVATIVE METHOD HCL | PRESERVATIVE METHOD $HNO_3$ | PRESERVATIVE METHOD ICE | PRESERVATIVE METHOD NONE | PRESERVATIVE METHOD | # CONTAINERS | FILTERED (Y/N) | BTEX 8021B BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M ( GRO - DRO - ORO - MRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R | | HOLD |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | FS-1 (3') | 09/22/21 | 900 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |
| | FS-2 (4') | 09/24/21 | 1000 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |
| | FS-3 (4') | 09/24/21 | 1100 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |
| | FS-4 (3') | 09/23/21 | 1200 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |
| | FS-5 (4') | 09/22/21 | 1300 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |
| | FS-6 (4') | 09/22/21 | 1400 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |
| | FS-7 (3') | 09/22/21 | 1500 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |
| | FS-8 (4') | 09/23/21 | 1600 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |
| | FS-10 (1') | 09/23/21 | 1700 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |
| | CSW-2 | 09/23/21 | 1715 | | X | | | | X | | | 1 | N | X | | X | | | | | | | | | | | | X | | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| Relinquished by: Andrew Garcia | Date: 24-Sep-21 | Time: 15:30 | Received by: | Date: 9-24-21 | Time: 1530 |
| Relinquished by: | Date: 9-24-21 | Time: 16:30 | Received by: FedEx | Date: 9.24.21 | Time: 1630 |
| Relinquished by: | Date: | Time: | Received by: MeilerRace | Date: 9/25/21 | Time: 0855 |

ORIGINAL COPY

**LAB USE ONLY**

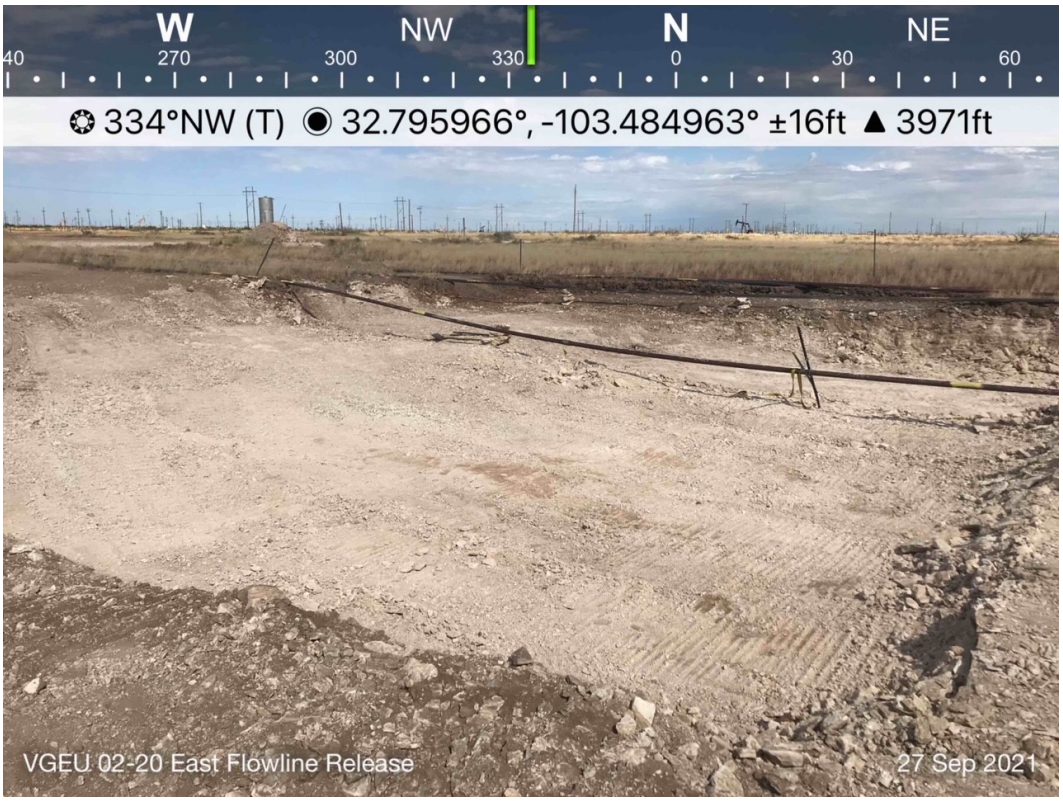
Sample Temperature: 2.0°

**REMARKS:**

- [ ] Standard
- [x] RUSH: Same Day (24 hr.) 48 hr. 72 hr.
- [ ] Rush Charges Authorized
- [ ] Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #: _____

# APPENDIX D
# Photographic Documentation




| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View north northwest. Central portion of excavation. | 1 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/27/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View southeast. Northern portion of excavation. | 2 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/27/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View north. Central portion of excavation. | 3 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/28/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View east. Western portion of excavation. | 4 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/28/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View southeast. Western portion of excavation. | 5 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/28/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View southwest. Eastern portion of excavation. | 6 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/28/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View west. Eastern portion of excavation. | 7 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/28/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View northwest. Southeastern portion of excavation. | 8 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/28/2021 |

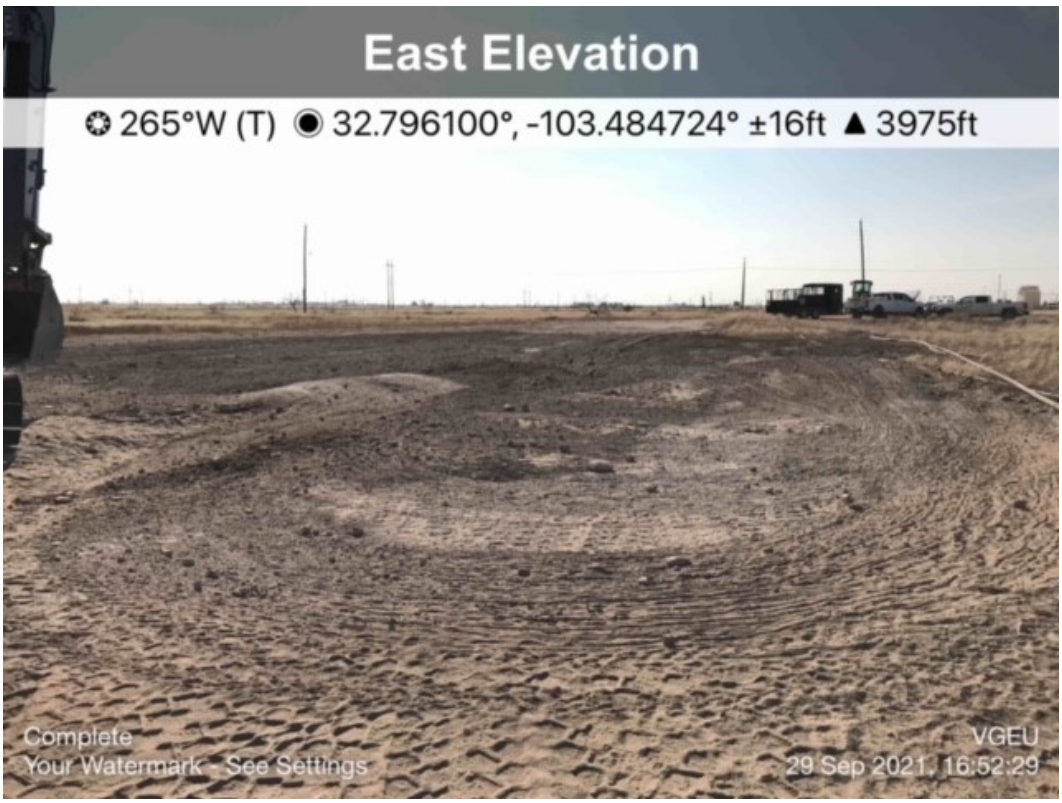

| | | | |
|---|---|---|---|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02305 | DESCRIPTION | View northwest. Backfilling activities in central portion of excavated area. | 9 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/29/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02305 | DESCRIPTION | View north. Backfilling activities in central portion of excavated area. | 10 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/29/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02305 | DESCRIPTION | View northeast. Backfilling activities in central portion of excavated area. | 11 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/29/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC. PROJECT NO. 212C-MD-02305 | DESCRIPTION | View northwest. Personnel loading the New Mexico State Land Office (NMSLO) Sandy Loam (SL) Sites Seed Mixture. | 12 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/29/2021 |


| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View northeast. Personnel actively planting the NMOCD SL Sites Seed Mixture. | 13 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/29/2021 |




| | | | |
|---|---|---|---|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02305 | DESCRIPTION | View west. Overview of VGEU 02-20 East Flowline Release remediation. | 14 |
| | SITE NAME | ConocoPhillips VGEU 02-20 East Flowline Release | 9/29/2021 |

# APPENDIX E
# Waste Manifests

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW THURSTON |
| AFE #: | |
| PO #: | |
| Manifest #: | 1 |
| Manif. Date: | 9/20/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESSE |
| Truck # | M82 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238068 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/20/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 37850L |
| Well Name: | VACUUM GLORIETA EAST UI |
| Well #: | 020 |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** Jesse Moreno

**R360 Representative Signature**

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01KAVQ

9/20/2021 9:04:57AM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 02 |
| Manif. Date: | 9/20/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESSE |
| Truck # | M82 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238098 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/20/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01KAZO

9/20/2021 11:07:20AM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 03 |
| Manif. Date: | 9/20/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESSE |
| Truck # | M82 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238161 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/20/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

t6UJ9A01KB8K

9/20/2021 2:16:48PM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 04 |
| Manif. Date: | 9/21/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESUS |
| Truck # | M33 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238356 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/21/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| **Contaminated Soil (RCRA Exempt)** | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 05 |
| Manif. Date: | 9/21/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | DANIEL |
| Truck # | M31 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238367 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/21/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1238425 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA | Date: | 9/21/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 06 | Well Ser. #: | 999908 |
| Manif. Date: | 9/21/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | JESUS | Field: | |
| Truck # | M33 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 13.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 07 |
| Manif. Date: | 9/21/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | DANIEL |
| Truck # | M31 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238429 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/21/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01KBUX

9/21/2021 2:13:53PM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 08 |
| Manif. Date: | 9/22/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOE |
| Truck # | M81 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238566 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/22/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| **Contaminated Soil (RCRA Exempt)** | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 09 |
| Manif. Date: | 9/22/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | ERNESTO |
| Truck # | M31 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238568 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/22/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 12.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

t6UJ9A01KC5A

9/22/2021 9:06:37AM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1238592 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA | Date: | 9/22/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 10 | Well Ser. #: | 999908 |
| Manif. Date: | 9/22/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | JESUS | Field: | |
| Truck # | M33 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 11 |
| Manif. Date: | 9/22/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | ERNESTO |
| Truck # | M31 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238594 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/22/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1238595 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA | Date: | 9/22/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 12 | Well Ser. #: | 999908 |
| Manif. Date: | 9/22/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | JOE | Field: | |
| Truck # | M81 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

t6UJ9A01KC9O

9/22/2021 11:11:50AM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 13 |
| Manif. Date: | 9/22/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESUS |
| Truck # | M33 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238635 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/22/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

t6UJ9A01KCDW

9/22/2021 1:49:55PM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 14 |
| Manif. Date: | 9/22/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | ERNESTO |
| Truck # | M31 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238645 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/22/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

t6UJ9A01KCFR 9/22/2021 2:17:53PM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 15 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOSH |
| Truck # | M75 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238831 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 16 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESUS |
| Truck # | M33 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238832 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 17 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOE |
| Truck # | M81 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238834 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval** _____

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 18 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | ERNESTO |
| Truck # | M31 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238838 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 13.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 19 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOSH |
| Truck # | M75 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238861 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 20 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESUS |
| Truck # | M33 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238866 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 12.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01KCX6

9/23/2021 11:15:39AM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 21 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOE |
| Truck # | M81 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238869 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| **Contaminated Soil (RCRA Exempt)** | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

t6UJ9A01KCXI

9/23/2021 11:28:49AM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1238873 |
| Customer #: | CRI2150 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA | Date: | 9/23/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 22 | Well Ser. #: | 999908 |
| Manif. Date: | 9/23/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | ERNESTO | Field: | |
| Truck # | M31 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 23 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOSH |
| Truck # | M75 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238896 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01KD07



9/23/2021 1:44:37PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 24 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESUS |
| Truck # | M33 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238900 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 13.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | ~~NA~~ 25 |
| Manif. Date: | 9/23/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOE |
| Truck # | M81 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1238904 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/23/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** Joe

**R360 Representative Signature**

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

t6UJ9A01KD11

9/23/2021 2:07:17PM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1238912 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA | Date: | 9/23/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 26 | Well Ser. #: | 999908 |
| Manif. Date: | 9/23/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | ERNESTO | Field: | |
| Truck # | M31 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 12.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

t6UJ9A01KD1Q

9/23/2021 2:29:46PM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 27 |
| Manif. Date: | 9/24/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOE |
| Truck # | M81 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1239070 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/24/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** Joe

**R360 Representative Signature** _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

t6UJ9A01KDBX 9/24/2021 8:19:47AM

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 28 |
| Manif. Date: | 9/24/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOE |
| Truck # | M81 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1239091 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/24/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

_ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

_ MSDS Information _ RCRA Hazardous Waste Analysis _ Process Knowledge _ Other (Provide description above)

**Driver/ Agent Signature** Joe

**R360 Representative Signature**

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 29 |
| Manif. Date: | 9/24/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JOE |
| Truck # | M81 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1239129 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/24/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 14.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

t6UJ9A01KDI1

9/24/2021 12:10:59PM

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1239607 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA/ sAM wIDME | Date: | 9/27/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 30 | Well Ser. #: | 999908 |
| Manif. Date: | 9/27/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | JESUS | Field: | |
| Truck # | M33 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity | Units |
|---|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 | yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1239609 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA/ SAM WIDM | Date: | 9/27/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 31 | Well Ser. #: | 999908 |
| Manif. Date: | 9/27/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | ERNESTO | Field: | |
| Truck # | M31 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 13.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1239636 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA | Date: | 9/27/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 32 | Well Ser. #: | 999908 |
| Manif. Date: | 9/27/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | JESUS | Field: | |
| Truck # | M32 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| **Contaminated Soil (RCRA Exempt)** | 13.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

Permian Basin

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 33 |
| Manif. Date: | 9/27/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | ERNESTO |
| Truck # | 31 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1239637 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/27/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 13.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1239672 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA / SAM WIDM | Date: | 9/27/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 34 | Well Ser. #: | 999908 |
| Manif. Date: | 9/27/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | JESUS | Field: | |
| Truck # | M33 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 13.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1239676 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA/ SAM WIDM | Date: | 9/27/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 35 | Well Ser. #: | 999908 |
| Manif. Date: | 9/27/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | ERNESTO | Field: | |
| Truck # | M31 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 13.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 36 |
| Manif. Date: | 9/28/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESUS |
| Truck # | M33 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1239867 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/28/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 37 |
| Manif. Date: | 9/28/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESUS |
| Truck # | M33 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1239892 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/28/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 13.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt waste

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

## THIS IS NOT AN INVOICE!

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | |
|---|---|
| Customer: | CONOCOPHILLIPS |
| Customer #: | CRI2190 |
| Ordered by: | ANDREW GARCIA |
| AFE #: | |
| PO #: | |
| Manifest #: | 38 |
| Manif. Date: | 9/28/2021 |
| Hauler: | MCNABB PARTNERS |
| Driver | JESUS |
| Truck # | M33 |
| Card # | |
| Job Ref # | |

| | |
|---|---|
| Ticket #: | 700-1239917 |
| Bid #: | O6UJ9A000HH0 |
| Date: | 9/28/2021 |
| Generator: | CONOCOPHILLIPS |
| Generator #: | |
| Well Ser. #: | 999908 |
| Well Name: | VGEU |
| Well #: | 02-20 EAST RELEASE |
| Field: | |
| Field #: | |
| Rig: | NON-DRILLING |
| County | LEA (NM) |

**Facility: CRI**

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 11.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** **R360 Representative Signature**

_____ _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

R360 ENVIRONMENTAL SOLUTIONS

**Permian Basin**

| | | | |
|---|---|---|---|
| Customer: | CONOCOPHILLIPS | Ticket #: | 700-1239936 |
| Customer #: | CRI2190 | Bid #: | O6UJ9A000HH0 |
| Ordered by: | ANDREW GARCIA | Date: | 9/28/2021 |
| AFE #: | | Generator: | CONOCOPHILLIPS |
| PO #: | | Generator #: | |
| Manifest #: | 39 | Well Ser. #: | 999908 |
| Manif. Date: | 9/28/2021 | Well Name: | VGEU |
| Hauler: | MCNABB PARTNERS | Well #: | 02-20 EAST RELEASE |
| Driver | JESUS | Field: | |
| Truck # | M33 | Field #: | |
| Card # | | Rig: | NON-DRILLING |
| Job Ref # | | County | LEA (NM) |

**Facility:** CRI

| Product / Service | Quantity Units |
|---|---|
| Contaminated Soil (RCRA Exempt) | 5.00 yards |

**Generator Certification Statement of Waste Status**

I hereby certify that according to the Resource Conservation and Recovery Act (RCRA) and the US Environmental Protection Agency's July 1988 regulatory determination, the above described waste is:

X RCRA Exempt: Oil Field wastes generated from oil and gas exploration and production operations and are not mixed with non-exempt wast

__ RCRA Non-Exempt: Oil field waste which is non-hazardous that does not exceed the minimum standards for waste hazardous by characteristics established in RCRA regulations, 40 CFR 261.21-261.24 or listed hazardous waste as defined in 40 CFR, part 261, subpart D, as amended. The following documentation is attached to demonstrate the above-described waste is non-hazardous. (Check the appropriate items):

__ MSDS Information __ RCRA Hazardous Waste Analysis __ Process Knowledge __ Other (Provide description above)

**Driver/ Agent Signature** _____

**R360 Representative Signature** _____

**Customer Approval**

**THIS IS NOT AN INVOICE!**

Approved By: _____ Date: _____

**District I**
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
**District II**
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
**District III**
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
**District IV**
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

# State of New Mexico
# Energy, Minerals and Natural Resources
# Oil Conservation Division
# 1220 S. St Francis Dr.
# Santa Fe, NM 87505



## CONDITIONS

| | |
|---|---|
| Operator:<br>CONOCOPHILLIPS COMPANY<br>600 W. Illinois Avenue<br>Midland, TX 79701 | OGRID:<br>217817 |
| | Action Number:<br>58818 |
| | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

| Created By | Condition | Condition Date |
|---|---|---|
| chensley | None | 12/3/2021 |