



March 25, 2024

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

**Re: Remediation Report and Closure Request  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Unit Letter E, Section 33, Township 17 South, Range 35 East  
Lea County, New Mexico  
Incident ID# nJXK1609752883**

Dear Sir or Madam,

Tetra Tech, Inc. (Tetra Tech) was initially contracted by ConocoPhillips (COP) to assess a historical release that occurred from a flowline associated with the EVGSAU 3366-029 flowline (API No. 30-025-21223). The release footprint is located in the Public Land Survey System (PLSS) Unit Letter E Section 33, Township 17 South, Range 35 East, in Lea County, New Mexico (Site). The approximate release point occurred at coordinates 32.792949°, -103.470266°, as shown in **Figure 1** and **Figure 2**. In 2022 Maverick Permian LLC (Maverick) acquired the Site from COP, began operating the Site in June 2022, and undertook the remediation activities described in this report.

## BACKGROUND

According to the State of New Mexico C-141 Initial Report, operations personnel discovered the flowline leak during routine checks on April 4, 2016. Approximately 5.77 barrels (bbls) of produced water and 10 bbls of oil were reported released from the flowline and approximately 10 bbls of fluid were reported recovered. The fluids migrated north-northeast along a low-lying area running parallel to a buried underground pipeline. Immediate action included isolating the well to repair the flowline in the battery facility. The initial C-141 report form was submitted to the New Mexico Oil Conservation District (NMOCD) on April 6, 2016, and subsequently assigned the release Incident ID nJXK1609752883. This release is included in an Agreed Compliance Order-Releases (ACO-R) between COP and the NMOCD fully executed on May 9, 2019.

The original C-141 Form associated with this release was previously submitted to the NMOCD in the NMOCD-rejected COP *Interim Closure Report* dated April 13, 2021, submitted to the NMOCD on March 13, 2021, and again on October 21, 2022, and is available in the NMOCD Permitting portal under Incident ID nJXK1609752883.

## SITE CHARACTERIZATION

### Receptors

Tetra Tech performed a Site characterization that identified no watercourses, sinkholes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, playa lakes, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains within the distances specified in 19.15.29 New Mexico Administrative Code (NMAC). According to the NMOCD Oil and Gas Map online, the Site is in an area of low karst potential. Receptor site characterization data is included in **Attachment 1**.

**Tetra Tech, Inc.**

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Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## Depth to Groundwater

According to the New Mexico Office of State Engineer's (NMOSE) Reporting System, there are three (3) water wells within ½ mile of the Site with an average depth to groundwater of 80 feet below ground surface (bgs). The depth to groundwater determination data is included in **Attachment 1**.

## Soils

According to the United States Department of Agriculture (USDA) Natural Resources Conservation Service (NRCS), the Site is mapped as Kimbrough-Lea complex, dry, 0 to 3 Percent Slopes, which is classified as a loam soil. The USDA NCRS Soil Map and soil profile are provided in **Attachment 1**.

## REGULATORY FRAMEWORK

Based upon the release footprint location and in accordance with Subsection E of 19.15.29.12 NMAC, per 19.15.29.11 NMAC, the site characterization data was used to determine recommended remedial action levels (RRALs) for Benzene, Toluene, Ethylbenzene, and Xylenes (BTEX), Total Petroleum Hydrocarbons (TPH), and chloride in soil.

Based on the site characterization accepted by the NMOCD in the Interim Closure Report and previous submissions related to Incident nJXK1609752883, and in accordance with Table I of 19.15.29.12 NMAC, the remediation RRALs for the Site for groundwater between 51 and 100 feet bgs are as follows:

### Closure Criteria for Soils Impacted by a Release

| Constituent       | Remediation RRAL |
|-------------------|------------------|
| Chloride          | 10,000 mg/kg     |
| TPH (GRO+DRO+ORO) | 2,500 mg/kg      |
| TPH (GRO+DRO)     | 1,000 mg/kg      |
| BTEX              | 50 mg/kg         |
| Benzene           | 10 mg/kg         |

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

### Reclamation Requirements

| Constituent       | Remediation RRAL |
|-------------------|------------------|
| Chloride          | 600 mg/kg        |
| TPH (GRO+DRO+ORO) | 100 mg/kg        |
| BTEX              | 50 mg/kg         |
| Benzene           | 10 mg/kg         |

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: NJXK1609752883

March 25, 2024

## INITIAL RESPONSE ACTIVITIES

In accordance with 19.15.29.8. B. (4) NMAC “the responsible party may commence remediation immediately after discovery of a release”, COP elected to begin initial remedial response and assessment of the impacted area in 2016. The visibly impacted soil in the release footprint was excavated by COP personnel with heavy equipment to approximately six inches bgs to remove the stained surface soils. During the initial response activities, liner material was observed at the surface in the southern portion of the release footprint and was assumed to be part of a former closed reserve pit. **Figure 3** depicts the release extent and initial response excavation area. Visibly impacted soil was excavated from an area equaling approximately 4,000 square feet during initial response activities.

## INITIAL SITE ASSESSMENT

### Initial Assessment Soil Sampling

Tetra Tech and their drilling subcontractor mobilized to the Site on August 9, 2017, to advance three (3) soil borings (SB-1 through SB-3) to define the extent of the impacted soils outside the assumed reserve pit footprint. Soil borings SB-1, SB-2, and SB-3 were drilled to total depths of 55, 20, and 25 feet bgs, respectively. The soil samples were field screened for organic vapors with a PID and chlorides with an ExStik. Selected samples were placed into laboratory-provided sample containers and transferred under chain of custody documentation to Pace Analytical Laboratory (Pace) for analysis of TPH by Method 8015M, and chloride by Method 300.0. Selected samples were analyzed for BTEX by Method 8260B. **Figure 3** depicts the release extent with the soil boring locations and soil boring location coordinates are presented in **Table 1**.

### Initial Assessment Sampling Results

The laboratory analytical results from the August 2020 soil sampling event are summarized in **Table 2** screened against Reclamation Requirements. The laboratory analytical results for the samples analyzed reported concentrations of BTEX and TPH as less than Reclamation Requirements with the exception of the sample collected from SB-1 from the 2-3 foot depth interval which reported TPH at a concentration greater than the Reclamation Requirement. Chloride was reported at concentrations less than the Reclamation Requirement with the exception of samples collected from SB-1 and SB-3 from the 0-1 foot bgs depth interval. The laboratory analytical data packages including chain-of-custody documentation for Assessment Sampling are included in **Attachment 2**.

## INITIAL REMEDIATION WORK PLAN

Based on the analytical results, COP proposed soil excavation and disposal in the areas of boring SB-1 and SB-3 to a depth of 4 feet bgs and the installation of a 40-mil poly liner in the excavation bottom to cap remaining chlorides in the subsurface soils, as shown on **Figure 3**. The excavation would then be backfilled with clean material to surface grade.

Within the revised Work Plan submitted to NMOCD on March 12, 2018, the remediation activities are described. The revised Work Plan is available on the NMOCD Imaging website. Tetra Tech has been unable to locate the email correspondence between NMOCD and COP indicating NMOCD's approval of the revised Work Plan.

## INITIAL REMEDIATION ACTIVITIES AND CONFIRMATION SAMPLING

Tetra Tech mobilized to the Site between January 21 and 30, 2019, to supervise the excavation and remediation activities. The excavation contractor excavated the remediation area to a depth of 4 feet bgs with plans to install a liner as shown in **Figure 4**. Approximately 540 cubic yards of material were transported for disposal to the R360 Halfway Landfill facility in Hobbs, New Mexico. Excavation widths and depths were guided based on the assessment and confirmation sampling data to remove impacted soils. During remedial activities, on-site personnel discovered

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

liner material at the ground surface in the vicinity of SSW-2. Remedial activities were halted, and the excavation area south of SSW-2 was not expanded any farther so as to not disturb the assumed closed reserve pit.

### Initial Remediation Confirmation Sampling

Confirmation samples were collected from the sidewalls and floors of the excavations to confirm that the impacted materials were properly removed. A total of 16 confirmation samples were collected during the remedial activities as shown in **Figure 3**. A total of three (3) floor samples (AH-1 through AH-3) and 13 sidewall samples were collected. Floor and sidewall confirmation samples were field screened for chlorides with an ExStik prior to collection into laboratory-supplied sample containers.

Confirmation samples were submitted to Pace for analysis of BTEX by method 8260B, TPH by Method 8015M, and chloride by Method 300.0. Laboratory analytical results reported BTEX, TPH, and chloride concentrations as less than Reclamation Requirements or Remediation RRALs, as applicable, with the exception of sidewall samples SSW-2 and WSW-2. The excavation was laterally expanded in the areas where the initial WSW-2 and SSW-2 sidewall samples were collected. The excavation near WSW-2 sample location was extended to include the soil below a set of polylines. The impacted soils were removed and are bound to the west by ESW-3. Final ESW-3, WSW-2, and SSW-2 sidewall confirmation sample locations were over-excavated during the Additional Remediation discussed below.

ESW-2 lies within the path of numerous flowlines and at the intersection of flowlines running west-northwest to east-southeast and a flowline running from east-northeast to west-southwest. This area is considered an area in active use for production operations and therefore does not need to be reclaimed in accordance with 19.15.29.13 D. ESW-2 is delineated laterally and vertically to Reclamation Requirements by samples collected from assessment sampling locations BH-20-3 and BH-20-3S, Initial Remediation sample location AH-2, and Additional Remediation sample locations SW-1 and SW-9. This area is proposed to be reclaimed during the plugging and abandonment of EVGSAU 3366-029 and the reclamation well pad and associated flowlines.

Confirmation sample laboratory analytical results screened against Reclamation Requirements and RRALs are summarized in **Table 3** and **Table 4** and laboratory analytical data packages including chain of custody documentation for Initial Remediation are included in **Attachment 3**

### Initial Remediation Liner Installation and Excavation Backfill

Subsequent to the receipt of confirmation sample results, the excavation contractor installed a 40-mil poly liner in the base of the excavation. The excavation was then backfilled with clean material to surface grade. Photographic documentation of the Initial Remediation activities is included in **Attachment 6**.

## ADDITIONAL SITE ASSESSMENT

### Additional Assessment Sampling

To characterize the impacted area more fully, Tetra Tech conducted Additional Site Assessment soil sampling on May 21, 2020, in the vicinity of the release area. Three (3) borings (BH-20-1S through BH-20-3S) were installed using an air rotary drilling rig in the vicinity of the release footprint as shown in **Figure 5**. Two borings (BH-20-1S, and BH-20-3S) were installed to a depth of 5 feet bgs to the west and east of the release footprint. One boring (BH-20-2S) was installed within the release footprint south of the area excavated and backfilled in January 2019 to vertically delineate the previously unaddressed release area.

BH-20-3 was installed using an air rotary drilling rig to characterize an unrelated, adjacent footprint associated with duplicate Incident IDs nPAC0605541294 and nPRS0414755359 on May 21, 2020. Boring BH-20-3 was completed

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

east of the historic release area, to a depth of 5 feet bgs to achieve horizontal delineation, and acts as delineation of the nJXK1609752883 extent to the north.

A total of 14 samples were collected from these four (4) borings and submitted to Pace Analytical Laboratory in Mount Juliet, Tennessee (Pace National) for analysis of BTEX by Method 8260B, TPH by Method 8015M, and chloride by Method 300.0.

## Additional Assessment Sampling Results

The laboratory analytical results from the May 2020 Additional Assessment Sampling event are summarized in **Table 2** screened against Reclamation Requirements. The laboratory analytical results for the samples analyzed reported concentrations of BTEX, TPH, and chloride as less than Reclamation Requirements or Remediation RRALs, as applicable, with the exception of samples collected from BH-20-2S from the 0-1 foot and 2-3 foot bgs sample intervals which reported chloride concentrations as greater than the Reclamation Requirement. The laboratory analytical data packages including chain-of-custody documentation for Additional Assessment Sampling are included in **Attachment 4**.

## ADDITIONAL REMEDIATION WORK PLAN

Based on the analytical results, COP proposed to remove the remaining impacted material in the vicinity of BH-20-2S as shown in **Figure 6**. Impacted soils within the release extent southwest of the January 2019 remediation area to be excavated using heavy equipment to a maximum depth of 4 feet bgs. Excavated soils to be transported offsite and disposed of at an NMOCD-approved disposal facility. Following soil removal, the excavation will be backfilled with clean material to surface grade. The COP estimated the volume of material to be remediated approximately 580 cubic yards.

Additionally, the Interim Closure Report requested the following variance from 19.15.29.12 D(1) NMAC:

*"After characterization of this release, COP proposes a variance request from 19.15.29.12 D(1) NMAC for collecting confirmation samples within the assumed closed reserve pit extent. Based on the analytical results associated with boring location BH-20-2S, soils below four (4) feet bgs within the release footprint are below Site RRALs and do not pose a risk to groundwater in the area. Furthermore, depth to groundwater in the area is approximately 80 feet bgs.*

*Thus, in accordance with 19.15.29.14(A) NMAC, ConocoPhillips requests a variance for the placement of a liner within the excavated area as an alternative to confirmation sampling. The liner will be properly seated at the base of the excavation to impede residual chloride in soil moving upward into the rooting zone via capillary action. The liner will be domed and thus also provide an engineering control that will serve as a barrier to surface water infiltration and thus inhibit the downward migration of residual constituents from any remaining impacted soil beneath the liner. Because the liner is emplaced, it will provide equal or better protection of fresh water, human health and the environment. The liner will impede any residual chloride in soil from leaching into the surficial layers of non-waste containing, uncontaminated, earthen material."*

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## NMOCD REJECTION OF INTERIM CLOSURE REQUEST

On October 21, 2022, the NMOCD rejected the Interim Closure Request the Additional Remediation Work Plan and COP Variance Request. This section responds to relevant NMOCD comments to provide clarification, further detail, and/or actions taken by Maverick where appropriate in response to NMOCD comments. To provide clarity, the NMOCD rejection comments are reiterated below along with Maverick's response.

***“Numerous samples do not meet the closure requirements of 19.15.29 NMAC. SSW-2, WSW-2, and AH-2 are above the reclamation standard of 600 mg/kg for chloride”***

During the Additional Remediation undertaken by Maverick discussed below, Maverick over-excavated the area of SSW-2 and WSW-2 where samples from the Initial Remediation reported chloride concentrations as greater than the Reclamation Requirement of 600 mg/kg as shown in **Figure 6**.

AH-1 is a floor confirmation sample collected from 4 feet bgs and deeper from the base of the westernmost 4-foot excavation as shown in **Figure 4**. Based on the NMOCD accepted depth-to-groundwater characterization previously submitted in the *Work Plan for the ConocoPhillips Company, EGSAU 3366-029* work plan dated March 6, 2018 (see NMOCD Online Imaging 1RP-4233), and the Interim Closure Request submitted on April 13, 2021, and October 21, 2022, the Remediation RRAL for chloride for this sample is 10,000 mg/kg and no further action is required at this location.

***“ESW-2 is above the reclamation standard of 100 mg/kg for TPH Variance request is denied”***

Sample ESW-2 is a sidewall confirmation sample collected from the eastern excavation wall of the easternmost Initial Remediation excavation. This location lies within the path of numerous flowlines and at the intersection of flowlines running west-northwest to east-southeast and a flowline running from east-northeast to west-southwest. It is Maverick's position that a variance is not required in this area as it is in active use for production operations and therefore does not need to be reclaimed in accordance with 19.15.29.13 D.

ESW-2 is delineated laterally and vertically to Reclamation Requirements by samples collected from assessment sampling locations BH-20-3 and BH-20-3S, Initial Remediation sample location AH-2, and Additional Remediation sample locations SW-1 and SW-9. Maverick proposes to reclaim the area of ESW-2 during the plugging and abandonment of EVGSAU 3366-029 and reclamation well pad and associated flowlines.

***“In Appendix G there are laboratory reports with samples that are not included on the maps or table. BH-20-1 (2-3) returned results of 1,170 mg/kg for chloride. BH-20-2 (0-1) returned results of 1,290 mg/kg for chloride and 1,101 mg/kg for TPH. BH-20-2 (2-3) returned results of 1,320 mg/kg for chloride. BH-20-2 (4-5) returned results of 1,160 mg/kg for chloride. BH-20-1, BH-20-2, BH-20-4, and BH-20-5 are not illustrated on the map or included in the tables. These sample points will need to be included on maps and tables. Based on the analytical results, additional remediation is warranted in these areas.”***

The Interim Closure Request states “One of the boring locations shown on Figure 5 (BH-20-3) was installed using an air rotary drilling rig to characterize an unrelated, adjacent footprint on May 21, 2020.” In the Additional Site Assessment Section. The referenced Pace National laboratory analytical report L1223523 provided in **Attachment 4** associated with BH-20-3 contains analytical results from soil borings completed as part of the assessment of duplicate incidents nPAC0605541294 and nPRS0414755359. Both incidents have been remediated and are listed in the NMOCD Permitting portal with the Status of “Incident Closure Approved” on April 14, 2023, and May 23, 2022, respectively.

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

The figures, tabulated analytical data, and associated remediation activities for BH-20-1, BH-20-2, BH-20-4, and BH-20-5 are available in the NMOCD Permitting Portal in the NMOCD-approved COP *Closure Request* dated May 3, 2022, under Incident ID nPRS0414755359. No further action is warranted in association with this comment.

## CULTURAL RESOURCES SURVEY

To comply with 1.10.15 NMAC and New Mexico State Land Office (NMSLO) requirements, Tetra Tech contracted SWCA Environmental Consultants to perform an Archaeological Records Management Section (ARMS) review for the Site.

SWCA performed a literature and file search on September 22, 2023, using the New Mexico Cultural Resources Information System online database which included a review of known cultural resources, such as the built environment, archaeological sites, and State/National Register-listed properties. Other sources reviewed include the Bureau of Land Management (BLM) General Land Office (GLO) Records website, which included land patent and general land office survey data. The review was conducted for the Area of Potential Effects (APE) and 1 km surrounding the APE. The land the proposed project is located on is part of the June 21, 1898: New Mexico Territorial Grant (30 Stat. 484) patented on May 26, 1909.

The ARMS review found the project area and surrounding 1 km have been subject to four (4) cultural resource surveys, two (2) of which are qualifying. One previously recorded site (LA 179703) is located outside of the project area but within the 1k search buffer. The project area is entirely located on NMSLO-managed lands and is completely covered by one (1) qualifying survey conducted within the last ten years (NMCRIS 131135). All remediation work will remain within the previously qualifying survey area.

No subsurface cultural materials were encountered during remediation activities. The redacted ARMS Review letter is included in **Attachment 6**.

## MAVERICK ADDITIONAL REMEDIATION AND CONFIRMATION SAMPLING

Excavation activities commenced on December 18, 2023, and concluded on January 18, 2024. Maverick's subcontractor, McNabb Partners (McNabb) used heavy equipment to excavate impacted soil from the remediation areas to maximum depths of 4 feet bgs as shown in **Figure 6**. To avoid potential contact by heavy equipment with pressurized lines within the remediation area, heavy equipment was maintained at a distance of at least 2 feet from pressurized lines where hydro-excavation and hand-digging were employed. McNabb excavated a total of 1,004 cubic yards of contaminated soil from an approximately 4,700 square foot area and transported the soil to R360 Halfway Disposal and Landfill in Hobbs, New Mexico for offsite disposal.

### Additional Remediation Confirmation Sampling

Upon reaching the final lateral and vertical excavation extents of the excavation, Tetra Tech collected 28 final confirmation samples including 19 floor samples and nine (9) side wall samples from the excavated areas. The remediation excavation confirmation sampling area was comprised of an approximately 4,700 square foot base and 1,250 square feet of sidewall for a total area of 5,900 square feet and a sampling density of approximately one confirmation sample per 213 square feet.

Confirmation samples were submitted to Cardinal Laboratory in Hobbs, New Mexico for analysis of BTEX by Method 8021B, TPH by Method 8015M, and chloride by Method SM4500 CL-B. Laboratory analytical results for submitted confirmation samples reported concentrations of BTEX, TPH, and chloride as less than respective Reclamation Requirements for samples collected from depths shallower than 4 feet bgs. For all samples obtained at or below a depth of 4 feet bgs, laboratory analytical results reported constituent concentrations as less than Remediation RRALs and clean margins were demonstrated. Confirmation sampling locations and excavation extents are shown

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

in **Figure 6**. Confirmation sampling locations and excavation extents of both the Initial and Additional Remediations are depicted in **Figure 7**.

Confirmation sample laboratory analytical results screened against Reclamation Requirements and Remediation RRALs are summarized in **Table 3** and **Table 4** and laboratory analytical data packages including chain of custody documentation for Additional Remediation are included in **Attachment 5**.

### **Additional Remediation Excavation Backfill**

Between January 18 and 19, 2024, subsequent to the receipt of confirmation sample results, McNabb completed backfilling of the excavated areas with 854 cubic yards of clean soil, from Rancher Pit. Photographic Documentation showing the excavated areas and final grading after backfilling is provided in **Attachment 7**.

### **Reclamation and Revegetation**

To restore the impacted surface areas to the condition that existed prior to the release, the excavated areas have been backfilled with clean topsoil, and the disturbed areas have been graded back to match the surrounding topography and the pre-existing conditions prior to contouring to provide erosion control, long-term stability, prevent ponding of water, and preserve surface water flow patterns.

Subsequent to restoring topography and contouring the disturbed areas, disturbed areas of the Site were seeded with New Mexico State Land Office (NMSLO) Sandy (S) Sites Seed Mixture to aid in vegetation growth to complete reclamation in accordance with the Site soil profile detailed above in the Site Characterization Section. Seeding was broadcast and raked in per the specifications for broadcast application in pound pure live seed per acre according to the NMSLO Seed Mix Loamy (L) data sheet provided in **Attachment 8**.

### **VARIANCE REQUEST**

Tetra Tech and Maverick understand that failure to notify the NMOCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted. The remediation associated with this incident was conducted concurrently with a number of other remediations during the 2023 holiday period between Thanksgiving and the 2024 New Year. Tetra Tech failed to notify the NMOCD of Additional Remediation sampling two business days in advance in accordance with 19.15.29.12.D.(1).(a). Tetra Tech respectfully requests a variance for the failure to notify the NMOCD of sampling in consideration of the significant changes to the NMOCD notification process and changes that were implemented by the NMOCD in early December 2023.

Tetra Tech has reviewed the C-141N notification process and NMOCD *Public Notice Implementation of Digital C-141 and Incident Statuses* document dated December 1, 2023, and has shifted to strictly adhering to the sampling notification requirements of 19.15.29.12.D.(1).(a) NMAC and NMOCD notification guidance. Tetra Tech is currently submitting C-141N notifications two business days prior to conducting any remediation confirmation sampling.

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## CONCLUSION

Based on the results of the confirmation sampling, the impacted soil within the release footprint with chloride concentrations greater than Reclamation Requirements and/or remediation RRALs has been removed and properly disposed of offsite and the excavated area has been backfilled with clean material, graded, and seeded with NMSLO approved seed mixture; Initial Remediation sample ESW-2 in the upper 4 feet is in a location of active production and delineated laterally and vertically to Reclamation Requirements which is proposed to be reclaimed during reclamation of the EVGSAU 3366-029 well and well pad. Therefore, Site remediation is complete. A Reclamation Report for the Site will be submitted to the NMOCD under separate cover containing the NMOCD required information. If you have any questions concerning the remediation activities for the Site, please contact Charles Terhune by email at [Charles.Terhune@tetrattech.com](mailto:Charles.Terhune@tetrattech.com) or by phone at (832) 252-2093.

Sincerely,



Chris Straub  
Project Manager  
Tetra Tech, Inc.



Charles H. Terhune IV, P.G.  
Program Manager  
Tetra Tech, Inc.

cc: Bryce Wagoner, Maverick Permian, LLC  
New Mexico State Land Office

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: NJXK1609752883

March 25, 2024

## LIST OF ATTACHMENTS

### Figures

Figure 1 – Site Location Map  
Figure 2 – Topographic Map  
Figure 3 – Initial Response and Initial Assessment  
Figure 4 – Initial Remediation Extent  
Figure 5 – Additional Assessment Locations  
Figure 6 – Additional Remediation Extent  
Figure 7 – Combined Remediation Extent

### Tables

Table 1 – Soil Assessment Locations  
Table 2 – Summary of Analytical Results – Soil Assessment Sampling  
Table 3 – Summary of Analytical Results – Shallow Remediation Confirmation Sampling  
Table 4 – Summary of Analytical Results – Deep Remediation Confirmation Sampling

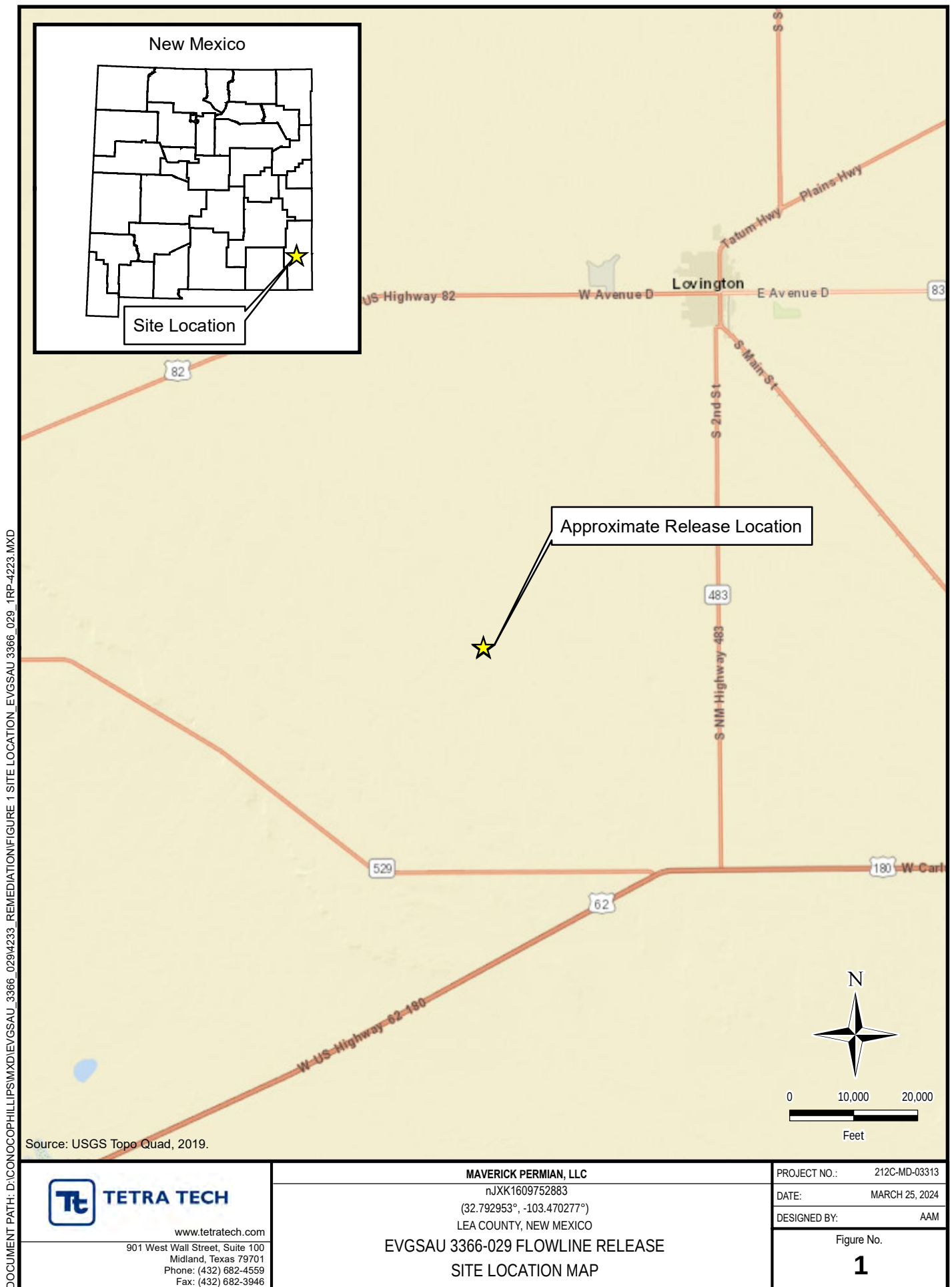
### Attachments

Attachment 1 – Site Characterization Data  
Attachment 2 – Initial Assessment Laboratory Data  
Attachment 3 – Initial Remediation Laboratory Data  
Attachment 4 – Additional Assessment Laboratory Data  
Attachment 5 – Maverick Remediation Laboratory Data  
Attachment 6 – ARMS Review Letter  
Attachment 7 – Photographic Documentation  
Attachment 8 – NMSLO Seed Mixture Details

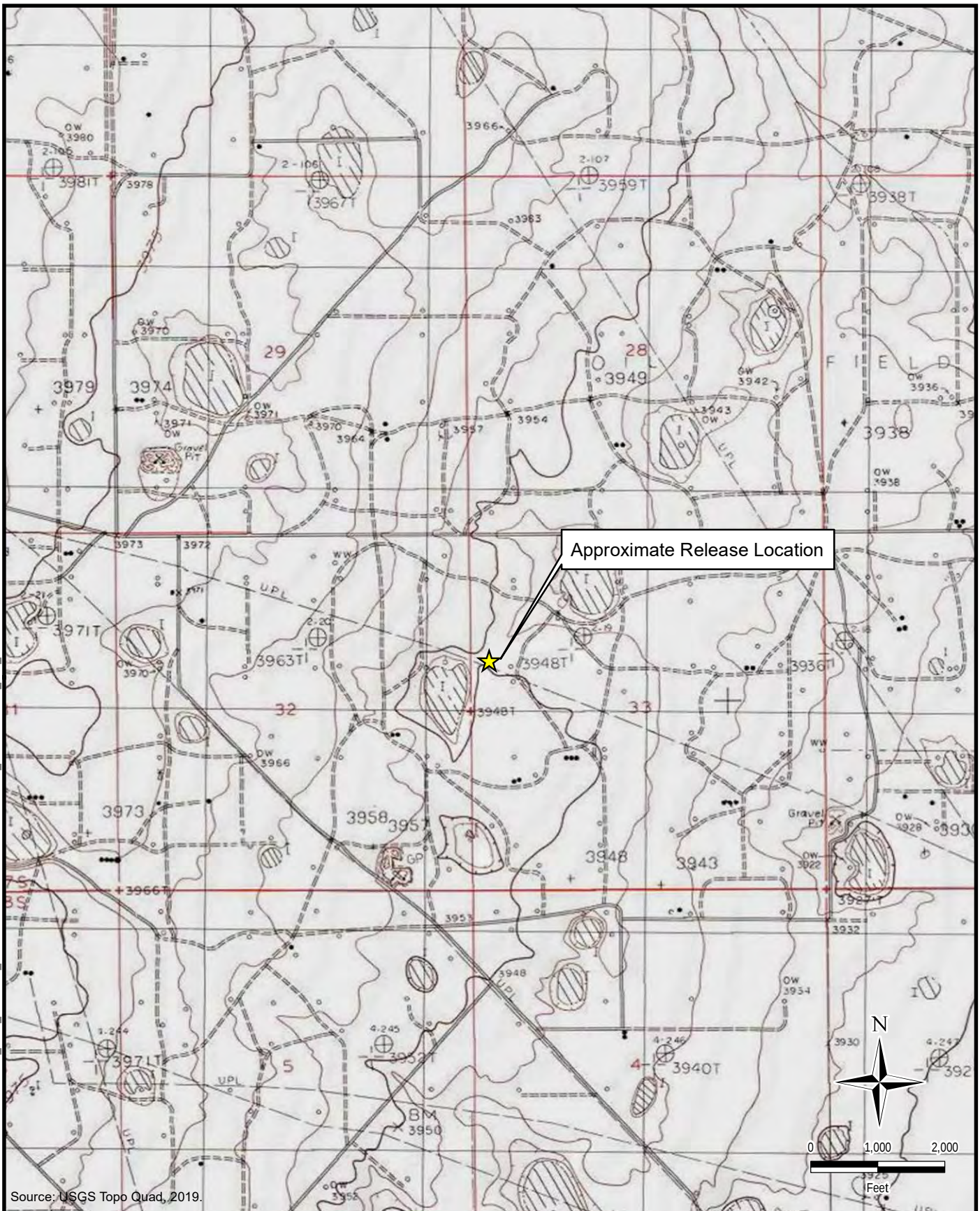
Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## FIGURES



DOCUMENT PATH: D:\CONOCOPHILLIPS\MXD\EVGSAU\_3366\_029\Figure 2 TOPO MAP EVGSAU 3366\_029\_1RP-4233.MXD

**TETRA TECH**

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MAVERICK PERMIAN, LLC

nJXK1609752883  
(32.792953°, -103.470277°)  
LEA COUNTY, NEW MEXICO

EVGSAU 3366-029 FLOWLINE RELEASE  
TOPOGRAPHIC MAP

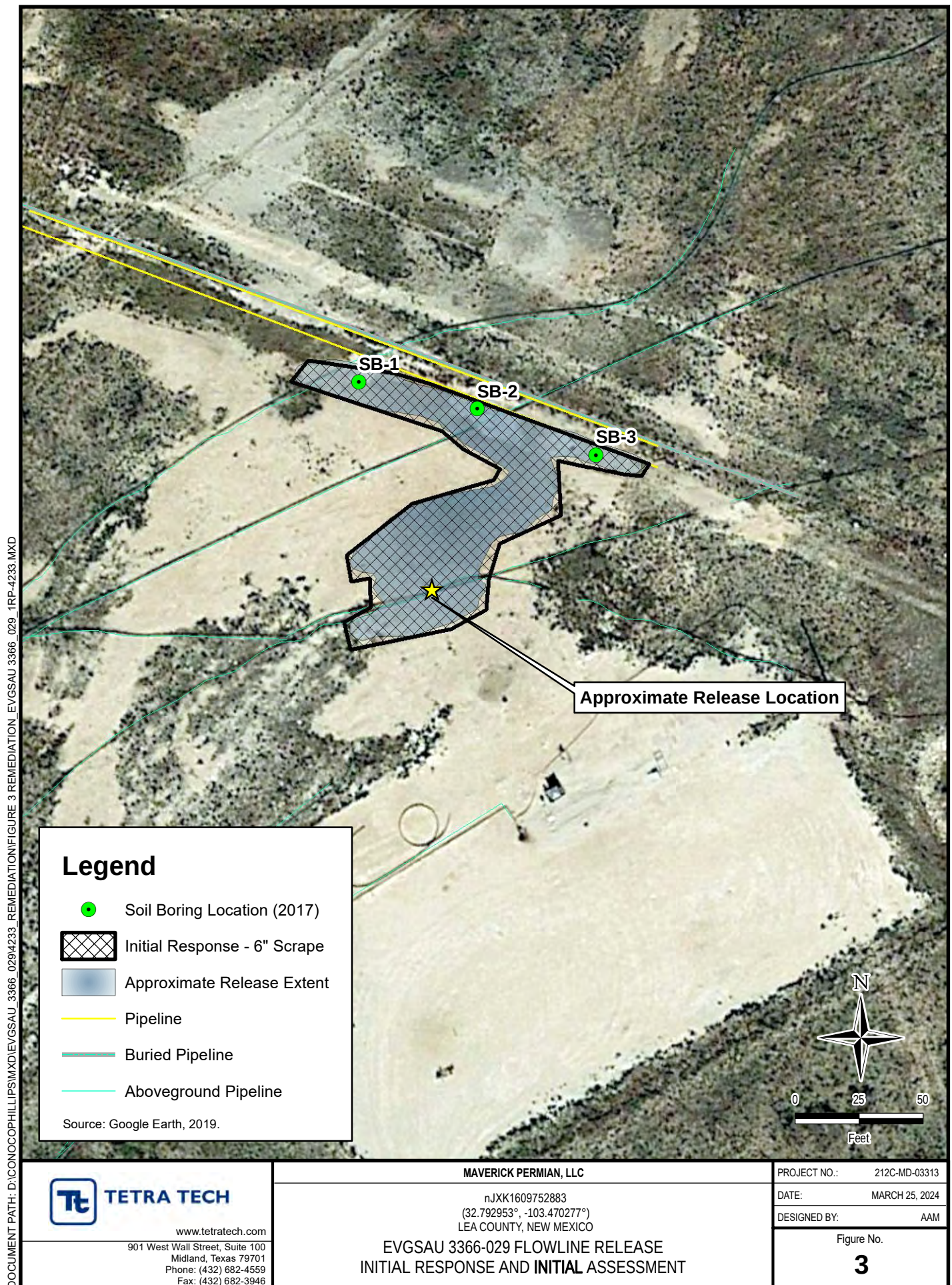
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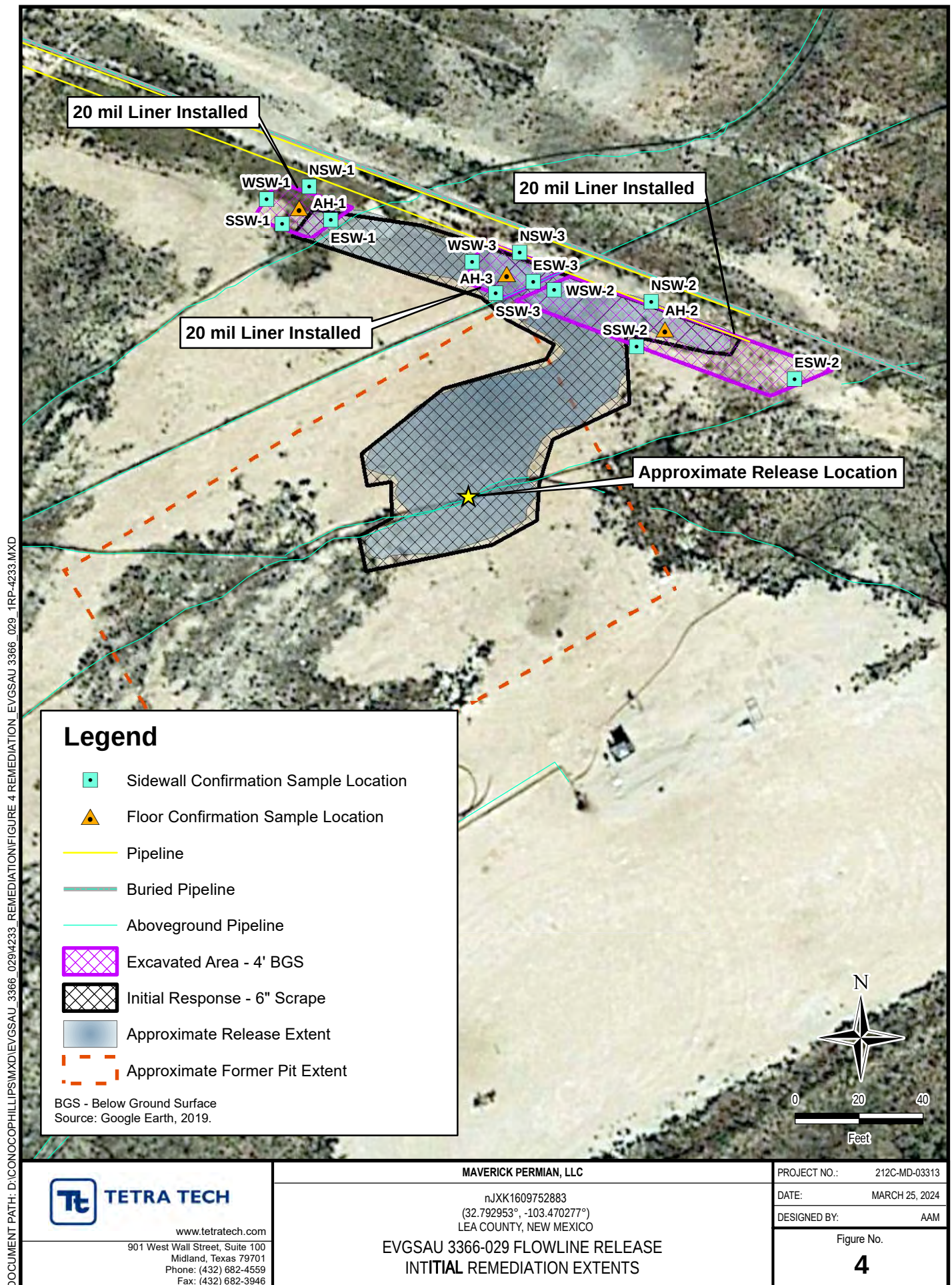
DATE: MARCH 25, 2024

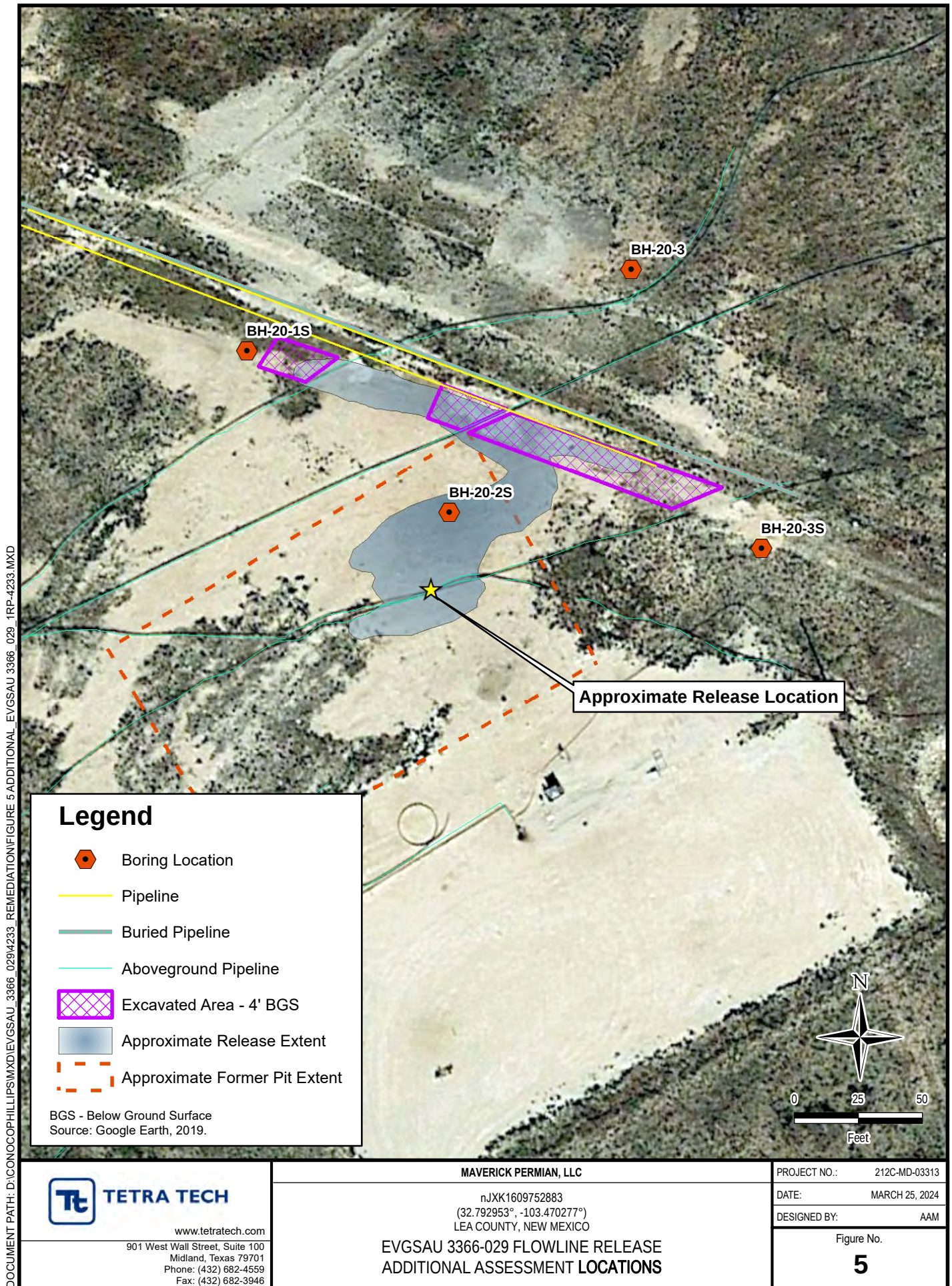
DESIGNED BY: AAM

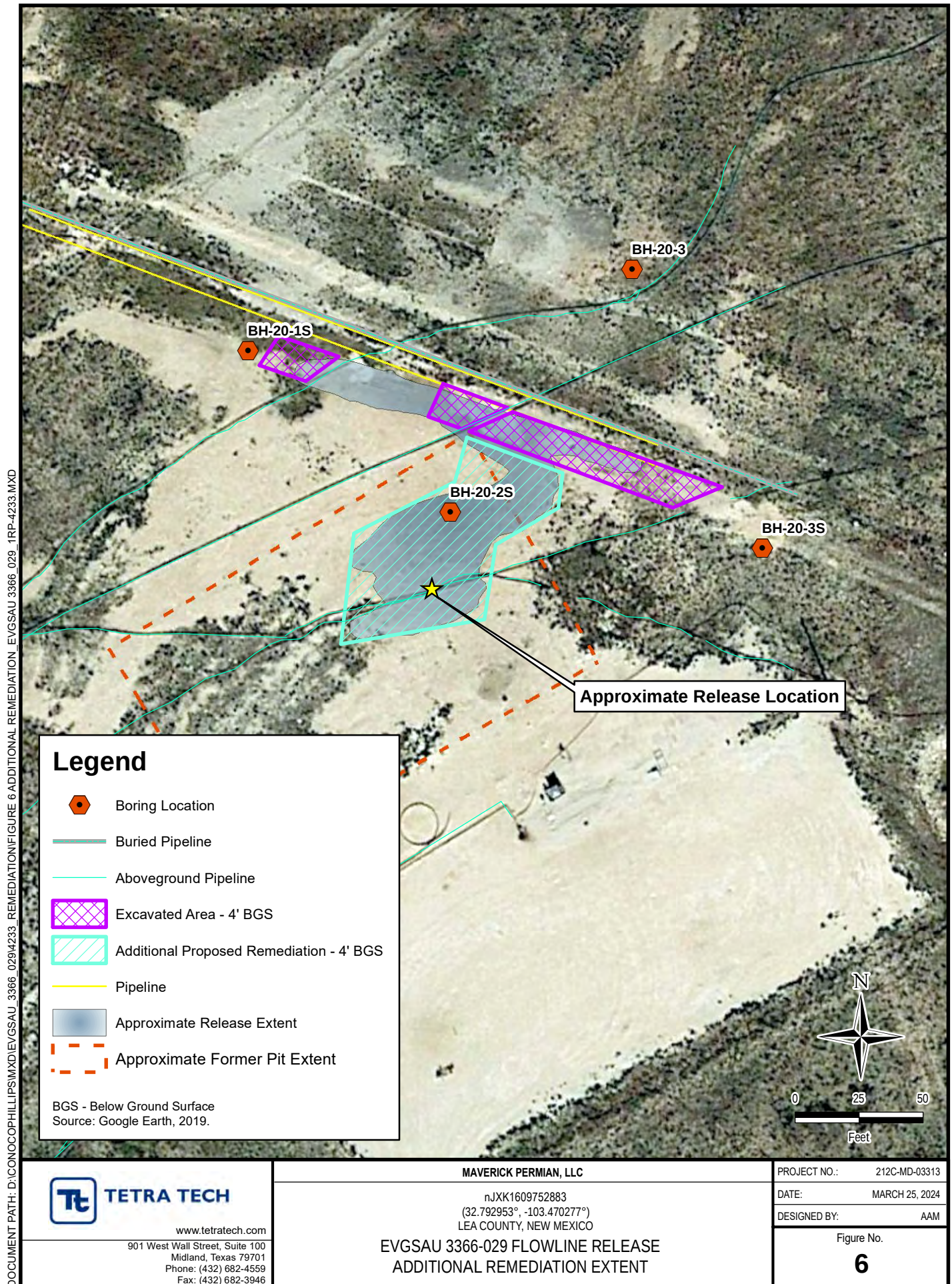
Figure No.

**2**

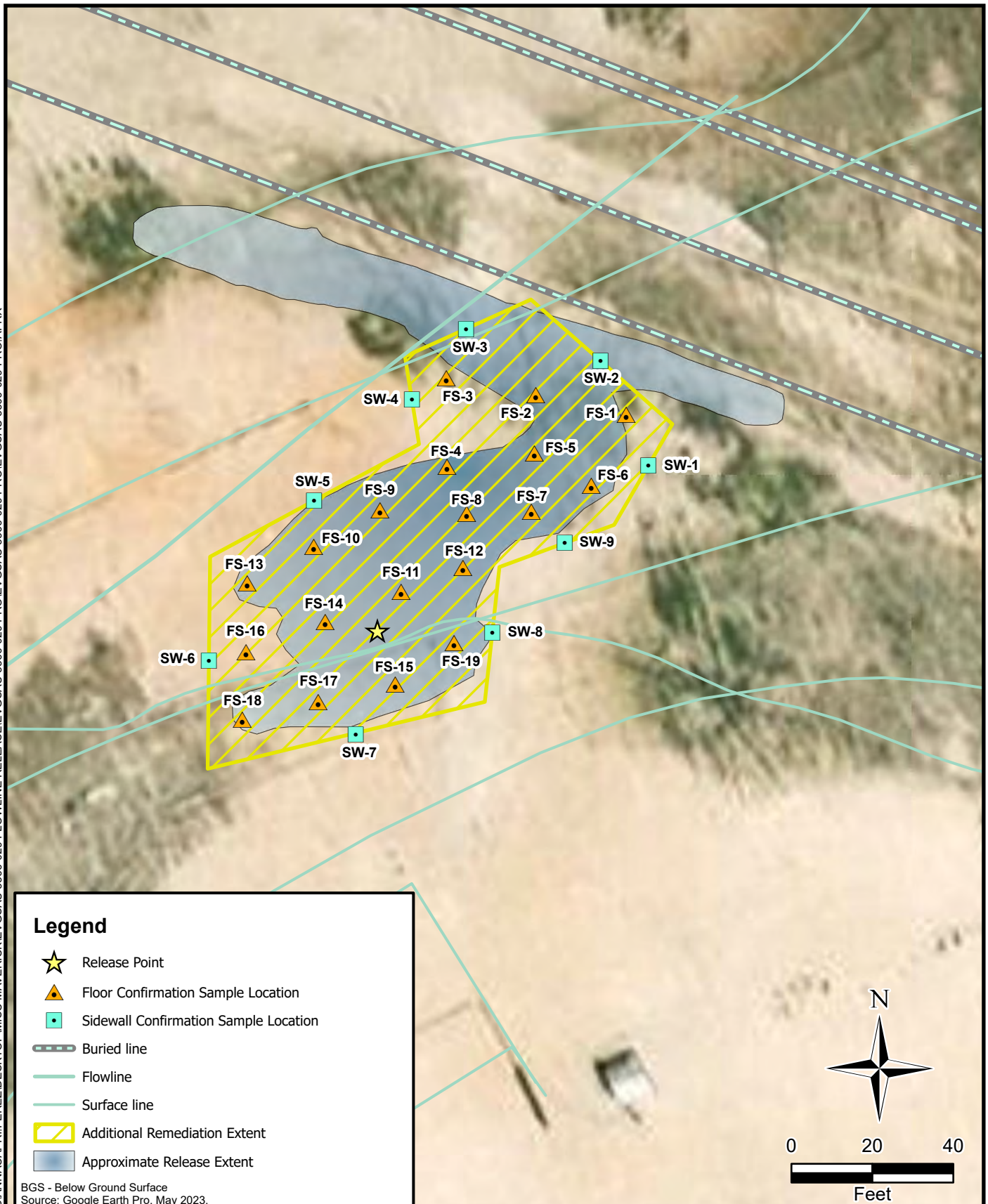








DOCUMENT PATH: C:\USERS\NACAPRI\PEREZ\DESKTOP\MISC MAVERICK\EVGSAU 3366-029 FLOWLINE RELEASE\EVGSAU 3366-029 PRO.APRX

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Fax: (432) 682-3946

**MAVERICK PERMIAN, LLC**

nJXK1609752883  
(32.792953°, -103.470277°)  
LEA COUNTY, NEW MEXICO

**EVGSAU 3366-029 FLOWLINE RELEASE  
ADDITIONAL REMEDIATION EXTENT**

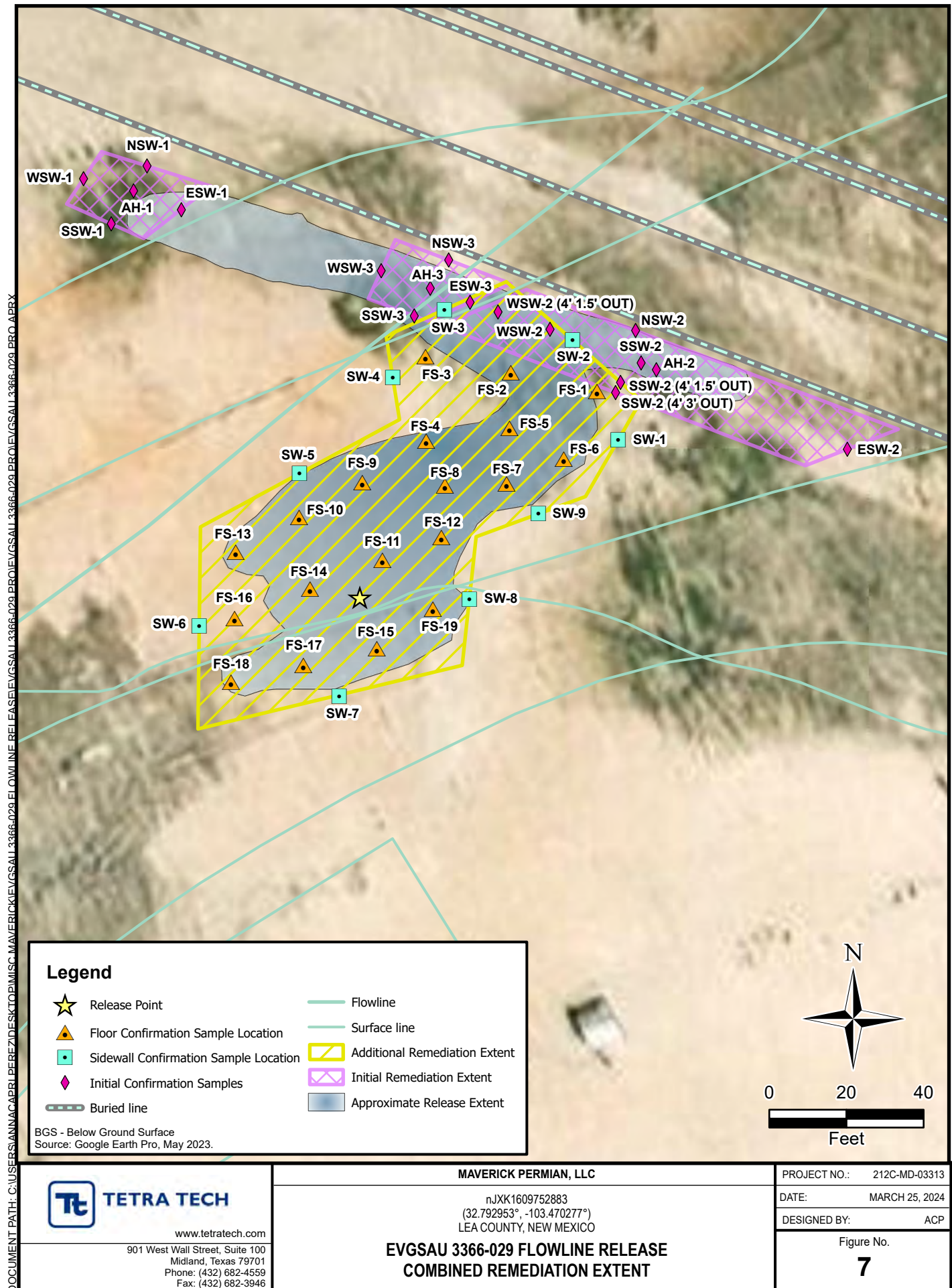
PROJECT NO.: 212C-MD-03313

DATE: MARCH 25, 2024

DESIGNED BY: ACP

Figure No.

**6**



Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## TABLES



**TABLE 1**  
**SOIL ASSESSMENT LOCATIONS**  
**INCIDENT NJXK1609752883**  
**MAVERICK PERMIAN, LLC**  
**EVGSAU 3366-029 FLOWLINE RELEASE**  
**LEA COUNTY, NEW MEXICO**

| Boring ID | Date      | Latitude  | Longitude   |
|-----------|-----------|-----------|-------------|
| SB-1      | 8/9/2017  | 32.793201 | -103.470447 |
| SB-2      | 8/9/2017  | 32.793143 | -103.470236 |
| SB-3      | 8/9/2017  | 32.793094 | -103.470076 |
| BH-20-1S  | 5/21/2020 | 32.793209 | -103.470508 |
| BH-20-2S  | 5/21/2020 | 32.793032 | -103.470253 |
| BH-20-3   | 5/21/2020 | 32.793292 | -103.470019 |
| BH-20-3S  | 5/21/2020 | 32.793015 | -103.469869 |



**TABLE 2**  
**SUMMARY OF ANALYTICAL RESULTS**  
**SOIL ASSESSMENT SAMPLING - INCIDENT nJXK1609752883**  
**MAVERICK PERMIAN, LLC**  
**EVGSAU 3366-029 FLOWLINE RELEASE**  
**LEA COUNTY, NEW MEXICO**

| Sample ID                                | Sample Date | Sample Depth | Chloride <sup>1</sup> |   | BTEX <sup>2</sup> |   |           |   |              |   |               |   |            |   | TPH <sup>3</sup>                 |   |                                     |   |                                     |     |                   |  |
|------------------------------------------|-------------|--------------|-----------------------|---|-------------------|---|-----------|---|--------------|---|---------------|---|------------|---|----------------------------------|---|-------------------------------------|---|-------------------------------------|-----|-------------------|--|
|                                          |             |              |                       |   | Benzene           |   | Toluene   |   | Ethylbenzene |   | Total Xylenes |   | Total BTEX |   | GRO                              |   | DRO                                 |   | ORO                                 |     | Total TPH         |  |
|                                          |             | feet bgs     | mg/kg                 | Q | mg/kg             | Q | mg/kg     | Q | mg/kg        | Q | mg/kg         | Q | mg/kg      | Q | C <sub>6</sub> - C <sub>10</sub> | Q | > C <sub>10</sub> - C <sub>28</sub> | Q | > C <sub>28</sub> - C <sub>36</sub> | Q   | (GRO+DRO+EXT DRO) |  |
| Reclamation Requirements (19.15.29 NMAC) |             |              | 600                   |   | 10                |   |           |   |              |   |               |   | 50         |   |                                  |   |                                     |   |                                     |     | 100               |  |
| SB-1                                     | 8/9/2017    | 0-1          | 780                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 2-3          | 470                   |   | < 0.0053          |   | < 0.0053  |   | < 0.0053     |   | < 0.0053      |   | -          |   | < 10.6                           |   | 432                                 |   | 99.2                                |     | 531.2             |  |
|                                          |             | 4-5          | 569                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 6-7          | 723                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 9-10         | 545                   |   | < 0.0055          |   | < 0.0055  |   | < 0.0055     |   | < 0.0055      |   | -          |   | < 11.0                           |   | < 10.8                              |   | < 10.8                              |     | -                 |  |
|                                          |             | 14-15        | 1,510                 |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 19-20        | 686                   |   | < 0.0053          |   | < 0.0053  |   | < 0.0053     |   | < 0.0053      |   | -          |   | < 10.7                           |   | < 10.5                              |   | < 10.5                              |     | -                 |  |
|                                          |             | 24-25        | 1,500                 |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 29-30        | 2,430                 |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 34-35        | 2,640                 |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 39-40        | 567                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 44-45        | 114                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 49-50        | 105                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 54-55        | 112                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
| SB-2                                     | 8/9/2017    | 0-1          | 129                   |   | < 0.0057          |   | < 0.0057  |   | < 0.0057     |   | < 0.0057      |   | -          |   | < 11.5                           |   | < 33.1                              |   | < 33.1                              |     | -                 |  |
|                                          |             | 2-3          | 291                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 4-5          | 208                   |   | < 0.0053          |   | < 0.0053  |   | < 0.0053     |   | < 0.0053      |   | -          |   | < 10.6                           |   | 25.4                                |   | 33.1                                |     | 58.5              |  |
|                                          |             | 6-7          | 245                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 9-10         | 160                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 14-15        | 107                   |   | < 0.0052          |   | < 0.0052  |   | < 0.0052     |   | < 0.0052      |   | -          |   | < 10.3                           |   | < 9.8                               |   | < 9.8                               |     | -                 |  |
| 19-20                                    | 111         |              | -                     |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     |                   |  |
| SB-3                                     | 8/9/2017    | 0-1          | 2,080                 |   | < 0.0062          |   | < 0.0062  |   | < 0.0062     |   | < 0.0062      |   | -          |   | < 12.7                           |   | < 12.3                              |   | < 12.3                              |     | -                 |  |
|                                          |             | 2-3          | 487                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 4-5          | 2,180                 |   | < 0.0054          |   | < 0.0054  |   | < 0.0054     |   | < 0.0054      |   | -          |   | < 11.0                           |   | < 10.8                              |   | < 10.8                              |     | -                 |  |
|                                          |             | 6-7          | 1,350                 |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 9-10         | 672                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
|                                          |             | 14-15        | 425                   |   | < 0.0054          |   | < 0.0054  |   | < 0.0054     |   | < 0.0054      |   | -          |   | < 10.7                           |   | < 10.5                              |   | < 10.5                              |     | -                 |  |
|                                          |             | 19-20        | 131                   |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     | -                 |  |
| 24-25                                    | 108         |              | -                     |   | -                 |   | -         |   | -            |   | -             |   | -          |   | -                                |   | -                                   |   | -                                   |     |                   |  |
| BH-20-1S                                 | 5/21/2020   | 0-1          | 103                   |   | < 0.00103         |   | < 0.00517 |   | < 0.00258    |   | < 0.00671     |   | -          |   | < 0.103                          |   | 7.71                                |   | 18.8                                | B   | 26.51             |  |
|                                          |             | 2-3          | 306                   |   | < 0.00106         |   | < 0.00529 |   | < 0.00265    |   | < 0.00688     |   | -          |   | < 0.106                          |   | 23.1                                |   | 41.5                                |     | 64.6              |  |
|                                          |             | 4-5          | 3,720                 |   | < 0.00108         |   | < 0.00539 |   | < 0.0027     |   | < 0.00701     |   | -          |   | < 0.108                          |   | < 4.32                              |   | 0.782                               | B J | 0.782             |  |
| BH-20-2S                                 | 5/21/2020   | 0-1          | 8,480                 |   | < 0.00109         |   | 0.0018    | J | < 0.00273    |   | < 0.00709     |   | 0.0018     |   | < 0.109                          |   | 323                                 |   | 422                                 |     | 745               |  |
|                                          |             | 2-3          | 2,510                 |   | < 0.00104         |   | < 0.00522 |   | < 0.00261    |   | < 0.00678     |   | -          |   | < 0.104                          |   | < 4.17                              |   | 1.93                                | B J | 1.93              |  |
|                                          |             | 4-5          | 227                   |   | < 0.00103         |   | < 0.00516 |   | < 0.00258    |   | < 0.0067      |   | -          |   | < 0.103                          |   | < 4.12                              |   | 1.55                                | B J | 1.55              |  |
|                                          |             | 6-7          | 3,240                 |   | < 0.00108         |   | < 0.00538 |   | < 0.00269    |   | < 0.00699     |   | -          |   | < 0.108                          |   | < 4.30                              |   | < 4.30                              |     | -                 |  |
|                                          |             | 9-10         | 327                   |   | < 0.001           |   | < 0.00502 |   | < 0.00251    |   | < 0.00653     |   | -          |   | < 0.1                            |   | 2.19                                | J | 1.26                                | J   | 3.45              |  |
| BH-20-3                                  | 5/21/2020   | 0-1          | 93                    |   | < 0.00106         |   | < 0.0053  |   | < 0.00265    |   | < 0.00689     |   | -          |   | < 0.106                          |   | 9.77                                |   | 19.3                                |     | 29.1              |  |
|                                          |             | 2-3          | 20.7                  |   | < 0.00103         |   | < 0.00516 |   | < 0.00258    |   | < 0.00671     |   | -          |   | < 0.103                          |   | 4.86                                |   | 10.4                                |     | 15.3              |  |
|                                          |             | 4-5          | 65.5                  |   | < 0.00104         |   | < 0.0052  |   | < 0.0026     |   | < 0.00676     |   | -          |   | < 0.104                          |   | 2.47                                | J | 2.47                                | J   | 4.94              |  |
| BH-20-3S                                 | 5/21/2020   | 0-1          | 114                   |   | < 0.00102         |   | < 0.00508 |   | < 0.00254    |   | < 0.0066      |   | -          |   | < 0.102                          |   | 9.25                                |   | 25.7                                |     | 35                |  |
|                                          |             | 2-3          | 66.5                  |   | < 0.00102         |   | < 0.00509 |   | < 0.00255    |   | < 0.00662     |   | -          |   | < 0.102                          |   | 5.19                                |   | 8.32                                |     | 13.5              |  |
|                                          |             | 4-5          | 24                    |   | < 0.00102         |   | < 0.00512 |   | < 0.00256    |   | < 0.00666     |   | -          |   | < 0.102                          |   | < 4.10                              |   | < 4.10                              |     | -                 |  |



TABLE 2  
SUMMARY OF ANALYTICAL RESULTS  
SOIL ASSESSMENT SAMPLING - INCIDENT nJXK1609752883  
MAVERICK PERMIAN, LLC  
EVGSAU 3366-029 FLOWLINE RELEASE  
LEA COUNTY, NEW MEXICO

| Sample ID                                | Sample Date | Sample Depth | Chloride <sup>1</sup> |   | BTEX <sup>2</sup> |   |         |   |              |   |               |                                  |            |                                     | TPH <sup>3</sup> |                                     |       |                   |       |     |           |  |
|------------------------------------------|-------------|--------------|-----------------------|---|-------------------|---|---------|---|--------------|---|---------------|----------------------------------|------------|-------------------------------------|------------------|-------------------------------------|-------|-------------------|-------|-----|-----------|--|
|                                          |             |              |                       |   | Benzene           |   | Toluene |   | Ethylbenzene |   | Total Xylenes |                                  | Total BTEX |                                     | GRO              |                                     | DRO   |                   | ORO   |     | Total TPH |  |
|                                          |             |              |                       |   |                   |   |         |   |              |   |               | C <sub>6</sub> - C <sub>10</sub> |            | > C <sub>10</sub> - C <sub>28</sub> |                  | > C <sub>28</sub> - C <sub>36</sub> |       | (GRO+DRO+EXT DRO) |       |     |           |  |
|                                          |             | feet bgs     | mg/kg                 | Q | mg/kg             | Q | mg/kg   | Q | mg/kg        | Q | mg/kg         | Q                                | mg/kg      | Q                                   | mg/kg            | Q                                   | mg/kg | Q                 | mg/kg | Q   | mg/kg     |  |
| Reclamation Requirements (19.15.29 NMAC) |             |              | 600                   |   | 10                |   |         |   |              |   |               |                                  | 50         |                                     |                  |                                     |       |                   |       | 100 |           |  |

NOTES:

|                                   |                              |                      |                                                                                                     |
|-----------------------------------|------------------------------|----------------------|-----------------------------------------------------------------------------------------------------|
| bgs: Below ground surface         | (-): Non-detect              | 1: Method SM4500Cl-B | <b>Bold and highlighted values indicate exceedance of Reclamation Requirements (19.15.29 NMAC).</b> |
| mg/kg: Milligrams per kilogram    | GRO: Gasoline Range Organics | 2: Method 8021B      |                                                                                                     |
| TPH: Total Petroleum Hydrocarbons | DRO: Diesel Range Organics   | 3: Method 8015M      |                                                                                                     |
| NS: Not Sampled                   | ORO: Oil Range Organics      |                      |                                                                                                     |

B: The same analyte is found in the associated blank  
J: The reported value is an estimate  
J3: The associated batch QC was outside the established QC range for precision



**TABLE 3**  
**SUMMARY OF ANALYTICAL RESULTS**  
**SHALLOW SOIL CONFIRMATION SAMPLING - INCIDENT nJXK1609752883**  
**MAVERICK PERMIAN, LLC**  
**EVGSAU 3366-029 FLOWLINE RELEASE**  
**LEA COUNTY, NEW MEXICO**

| Sample ID                                | Sample Date | Sample Depth                     | Chloride <sup>1</sup>               |                                     | BTEX <sup>2</sup> |    |           |    |              |    |               |    |            |   | TPH <sup>3</sup> |   |        |   |         |     |                                |  |
|------------------------------------------|-------------|----------------------------------|-------------------------------------|-------------------------------------|-------------------|----|-----------|----|--------------|----|---------------|----|------------|---|------------------|---|--------|---|---------|-----|--------------------------------|--|
|                                          |             |                                  |                                     |                                     | Benzene           |    | Toluene   |    | Ethylbenzene |    | Total Xylenes |    | Total BTEX |   | GRO              |   | DRO    |   | EXT DRO |     | Total TPH<br>(GRO+DRO+EXT DRO) |  |
|                                          |             | C <sub>6</sub> - C <sub>10</sub> | > C <sub>10</sub> - C <sub>28</sub> | > C <sub>28</sub> - C <sub>36</sub> | mg/kg             | Q  | mg/kg     | Q  | mg/kg        | Q  | mg/kg         | Q  | mg/kg      | Q | mg/kg            | Q | mg/kg  | Q | mg/kg   |     |                                |  |
| Reclamation Requirements (19.15.29 NMAC) |             |                                  | 600                                 |                                     | 10                |    |           |    |              |    |               |    | 50         |   |                  |   |        |   |         | 100 |                                |  |
| Interim Remediation Sampling             |             |                                  |                                     |                                     |                   |    |           |    |              |    |               |    |            |   |                  |   |        |   |         |     |                                |  |
| NSW-1 (4')                               | 1/28/2019   | 0.0 - 4.0                        | 567                                 |                                     | < 0.000420        |    | < 0.00131 |    | < 0.000556   |    | < 0.00501     |    | -          |   | < 0.0228         |   | 7.3    |   | 6.65    |     | 13.95                          |  |
| NSW-2 (4')                               | 1/24/2019   | 0.0 - 4.0                        | 337                                 |                                     | < 0.000429        |    | < 0.00134 |    | < 0.000568   |    | < 0.00513     |    | -          |   | < 0.0233         |   | 4.54   |   | 3.32    | J   | 7.86                           |  |
| NSW-3 (4')                               | 1/29/2019   | 0.0 - 4.0                        | NS                                  |                                     | NS                |    | NS        |    | NS           |    | NS            |    | -          |   | NS               |   | NS     |   | NS      |     | -                              |  |
| ESW-1 (4')                               | 1/31/2019   | 0.0 - 4.0                        | 133                                 |                                     | < 0.000443        |    | < 0.00138 |    | < 0.000586   |    | < 0.00529     |    | -          |   | < 0.0240         |   | 1.96   | J | < 0.303 |     | 1.96                           |  |
| ESW-2 (4')                               | 1/24/2019   | 0.0 - 4.0                        | 103                                 |                                     | < 0.000448        | J3 | < 0.00140 |    | < 0.000593   |    | < 0.00535     |    | -          |   | < 0.0243         |   | 97.6   |   | 99.7    |     | 197.3                          |  |
| ESW-3 (4')                               | 1/29/2019   | 0.0 - 4.0                        | 235                                 |                                     | < 0.000431        |    | < 0.00135 |    | < 0.000572   |    | < 0.00515     |    | -          |   | < 0.0234         |   | 3.58   | J | 1.55    | J   | 5.13                           |  |
| WSW-1 (4')                               | 1/28/2019   | 0.0 - 4.0                        | 466                                 |                                     | < 0.000430        |    | < 0.00134 |    | < 0.000569   |    | < 0.00513     |    | -          |   | < 0.0233         |   | 22.7   |   | 20.9    |     | 43.6                           |  |
| WSW-2 (4')                               | 1/24/2019   | 0.0 - 4.0                        | 690                                 |                                     | < 0.000421        |    | < 0.00132 |    | < 0.000558   |    | < 0.00504     |    | -          |   | < 0.0229         |   | 51.1   |   | 32.8    |     | 83.9                           |  |
| WSW-2 (4' 1.5' OUT)                      | 1/24/2019   | 0.0 - 4.0                        | 1070                                |                                     | < 0.000431        |    | < 0.00135 |    | < 0.000570   |    | < 0.00514     |    | -          |   | < 0.0234         |   | 3.38   | J | 1.06    | J   | 4.44                           |  |
| WSW-3 (4')                               | 1/29/2019   | 0.0 - 4.0                        | 122                                 |                                     | < 0.000436        |    | < 0.00136 |    | < 0.000577   |    | < 0.00521     |    | -          |   | < 0.0236         |   | 2.04   | J | < 0.299 |     | 2.04                           |  |
| SSW-1 (4')                               | 1/28/2019   | 0.0 - 4.0                        | 173                                 |                                     | < 0.000433        |    | < 0.00135 |    | < 0.000573   |    | < 0.00517     |    | -          |   | < 0.0235         |   | 3.17   | J | 2.52    | J   | 5.69                           |  |
| SSW-2 (4')                               | 1/24/2019   | 0.0 - 4.0                        | 1150                                |                                     | < 0.000422        |    | < 0.00132 |    | < 0.000559   |    | < 0.00504     |    | -          |   | < 0.0229         |   | 2.45   | J | 0.678   | J   | 3.128                          |  |
| SSW-2 (4' 1.5' OUT)                      | 1/24/2019   | 0.0 - 4.0                        | 2200                                |                                     | < 0.000432        |    | < 0.00135 |    | < 0.000572   |    | < 0.00516     |    | -          |   | < 0.0234         |   | 3.12   | J | 1.21    | J   | 4.33                           |  |
| SSW-2 (4' 3' OUT)                        | 1/29/2019   | 0.0 - 4.0                        | 1430                                |                                     | < 0.000424        | J3 | < 0.00133 | J3 | < 0.000562   | J3 | < 0.00507     | J3 | -          |   | < 0.0230         |   | < 1.71 |   | < 0.290 |     | -                              |  |
| SSW-3 (4')                               | 1/29/2019   | 0.0 - 4.0                        | NS                                  |                                     | NS                |    | NS        |    | NS           |    | NS            |    | -          |   | NS               |   | NS     |   | NS      |     | -                              |  |
| Additional Remediation Sampling          |             |                                  |                                     |                                     |                   |    |           |    |              |    |               |    |            |   |                  |   |        |   |         |     |                                |  |
| SW - 1                                   | 1/4/2024    | 0.0 - 4.0                        | 352                                 |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |
| SW - 2                                   | 1/4/2024    | 0.0 - 4.0                        | 320                                 |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |
| SW - 3                                   | 1/12/2024   | 0.0 - 4.0                        | 272                                 |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |
| SW - 4                                   | 1/12/2024   | 0.0 - 4.0                        | 688                                 |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |
| SW - 4                                   | 1/18/2024   | 0.0 - 4.0                        | 144                                 |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |
| SW - 5                                   | 1/12/2024   | 0.0 - 4.0                        | 256                                 |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |
| SW - 6                                   | 1/12/2024   | 0.0 - 4.0                        | 1,250                               |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | 14     |   | <10.0   |     | 14                             |  |
| SW - 6                                   | 1/18/2024   | 0.0 - 4.0                        | 128                                 |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |
| SW - 7                                   | 1/10/2024   | 0.0 - 4.0                        | 272                                 |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |
| SW - 8                                   | 1/10/2024   | 0.0 - 4.0                        | 448                                 |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |
| SW - 9                                   | 1/12/2024   | 0.0 - 4.0                        | 96                                  |                                     | <0.050            |    | <0.050    |    | <0.050       |    | <0.150        |    | <0.300     |   | <10.0            |   | <10.0  |   | <10.0   |     | -                              |  |

**NOTES:**

bgs: Below ground surface

GRO: Gasoline Range Organics

1: Method 300.0 or SM4500Cl-B

mg/kg: Milligrams per kilogram

DRO: Diesel Range Organics

2: Method 8021B

TPH: Total Petroleum Hydrocarbons

ORO: Oil Range Organics

3: Method 8015M

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

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

**Bold and highlighted values indicate exceedance of Reclamation Requirements (19.15.29 NMAC).****Highlighted Rows indicate additional lateral excavation and resampling during Interim Remediation Sampling****Highlighted Rows indicate excavation and sampling inclusive of this sample area during Additional Remediation**



TABLE 4  
SUMMARY OF ANALYTICAL RESULTS  
DEEP CONFIRMATION SAMPLING - INCIDENT nJXK1609752883  
MAVERICK PERMIAN, LLC  
EVGSAU 3366-029 FLOWLINE RELEASE  
LEA COUNTY, NEW MEXICO

| Sample ID                        | Sample Date | Sample Depth                     | Chloride <sup>1</sup>               |                                     | BTEX <sup>2</sup> |       |           |       |              |       |               |       |            |       | TPH <sup>3</sup> |       |        |       |         |       |                |                            |
|----------------------------------|-------------|----------------------------------|-------------------------------------|-------------------------------------|-------------------|-------|-----------|-------|--------------|-------|---------------|-------|------------|-------|------------------|-------|--------|-------|---------|-------|----------------|----------------------------|
|                                  |             |                                  |                                     |                                     | Benzene           |       | Toluene   |       | Ethylbenzene |       | Total Xylenes |       | Total BTEX |       | GRO              |       | DRO    |       | ORO     |       | TPH<br>GRO+DRO | Total TPH<br>(GRO+DRO+ORO) |
|                                  |             | C <sub>6</sub> - C <sub>10</sub> | > C <sub>10</sub> - C <sub>28</sub> | > C <sub>28</sub> - C <sub>36</sub> | feet bgs          | mg/kg | Q         | mg/kg | Q            | mg/kg | Q             | mg/kg | Q          | mg/kg | Q                | mg/kg | Q      | mg/kg | Q       | mg/kg |                |                            |
| RRALs (Table I 19.15.29.12 NMAC) |             |                                  | 10,000                              |                                     | 10                |       |           |       |              |       |               |       | 50         |       |                  |       |        |       |         | 1,000 | 2,500          |                            |
| Interim Remediation Sampling     |             |                                  |                                     |                                     |                   |       |           |       |              |       |               |       |            |       |                  |       |        |       |         |       |                |                            |
| AH-1 (4')                        | 1/28/2019   | 4.0 - 4.5                        | 80.5                                |                                     | < 0.000428        |       | < 0.00134 |       | < 0.000567   |       | < 0.00511     |       | -          |       | < 0.0232         |       | 2.51   | J     | < 0.293 |       | 2.51           | 2.51                       |
| AH-2 (4')                        | 1/24/2019   | 4.0 - 4.5                        | 926                                 |                                     | < 0.000435        |       | < 0.00136 |       | < 0.000576   |       | < 0.00520     |       | -          |       | < 0.0236         |       | 2.22   | J     | 0.503   | J     | 2.22           | 2.723                      |
| AH-3 (4')                        | 1/29/2019   | 4.0 - 4.5                        | 147                                 |                                     | < 0.000424        |       | < 0.00132 |       | < 0.000561   |       | < 0.00506     |       | -          |       | < 0.0230         |       | < 1.70 |       | < 0.290 |       | -              | -                          |
| Additional Remediation Sampling  |             |                                  |                                     |                                     |                   |       |           |       |              |       |               |       |            |       |                  |       |        |       |         |       |                |                            |
| FS - 1 (4.0')                    | 1/4/2024    | 4.0 - 4.5                        | 1,020                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | 16.7   |       | <10.0   |       | 16.7           | 16.7                       |
| FS - 2 (4.0')                    | 1/4/2024    | 4.0 - 4.5                        | 352                                 |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | 11.8   |       | <10.0   |       | 11.8           | 11.8                       |
| FS - 3 (4.0')                    | 1/4/2024    | 4.0 - 4.5                        | 256                                 |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 4 (4.0')                    | 1/4/2024    | 4.0 - 4.5                        | 736                                 |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 5 (4.0')                    | 1/4/2024    | 4.0 - 4.5                        | 2,320                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 6 (4.0')                    | 1/4/2024    | 4.0 - 4.5                        | 1,790                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | 15.3   |       | <10.0   |       | 15.3           | 15.3                       |
| FS - 7 (4.0')                    | 1/4/2024    | 4.0 - 4.5                        | 3,480                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 8 (4.0')                    | 1/4/2024    | 4.0 - 4.5                        | 1,940                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 9 (4.0')                    | 1/4/2024    | 4.0 - 4.5                        | 4,520                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 10 (4.0')                   | 1/4/2024    | 4.0 - 4.5                        | 3,520                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 11 (4.0')                   | 1/4/2024    | 4.0 - 4.5                        | 2,560                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 12 (4.0')                   | 1/4/2024    | 4.0 - 4.5                        | 2,400                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 13 (4.0')                   | 1/4/2024    | 4.0 - 4.5                        | 2,280                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 14 (4.0')                   | 1/4/2024    | 4.0 - 4.5                        | 2,360                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | <10.0  |       | <10.0   |       | -              | -                          |
| FS - 19 (4.0')                   | 1/10/2024   | 4.0 - 4.5                        | 3,920                               |                                     | <0.050            |       | <0.050    |       | <0.050       |       | <0.150        |       | <0.300     |       | <10.0            |       | 20     |       | <10.0   |       | 20             | 20                         |

NOTES:  
bgs: Below ground surface  
mg/kg: Milligrams per kilogram  
TPH: Total Petroleum Hydrocarbons

GRO: Gasoline Range Organics  
DRO: Diesel Range Organics  
ORO: Oil Range Organics

1: Method SM4500CI-B  
2: Method 8021B  
3: Method 8015M

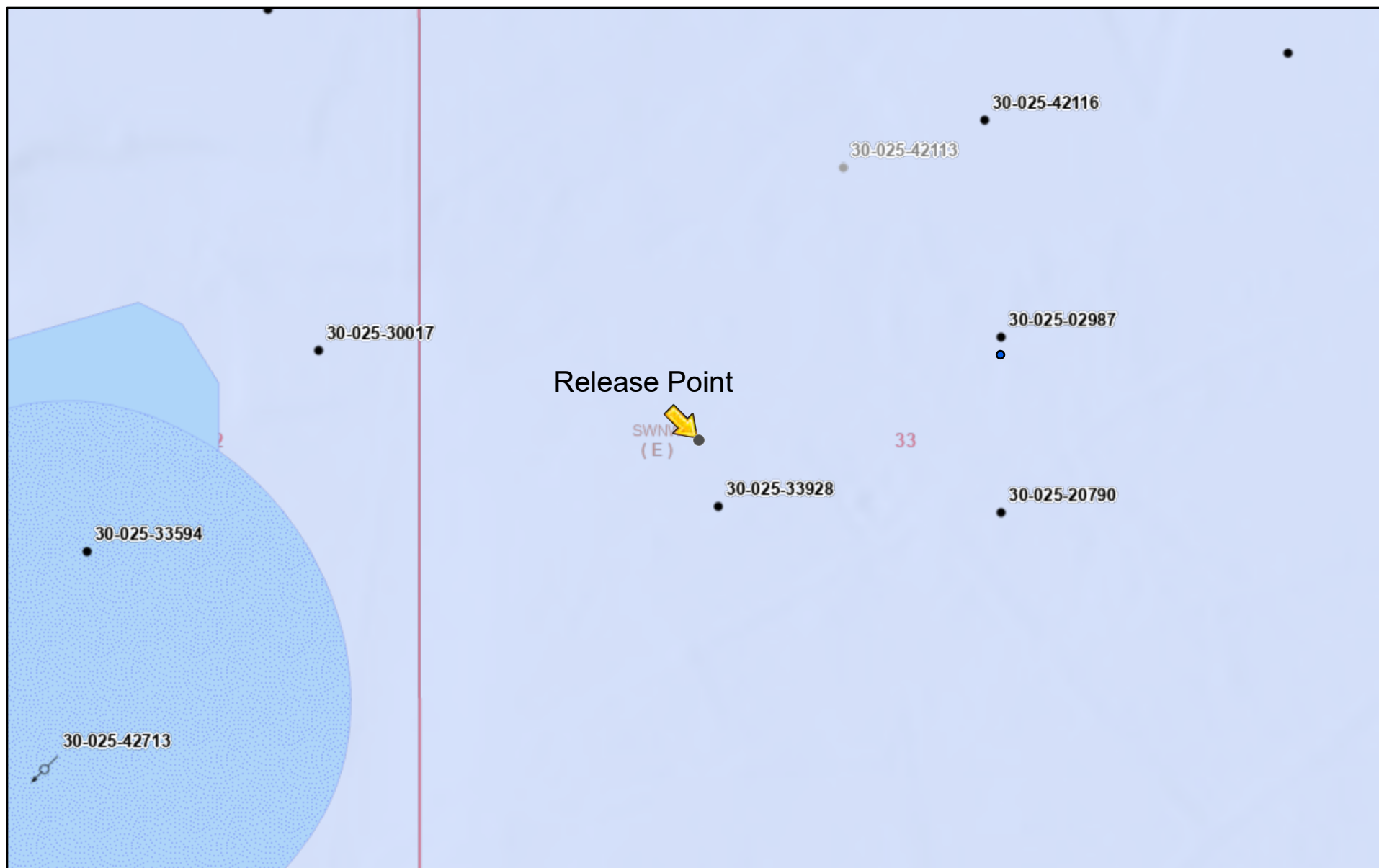
**Bold and highlighted values indicate exceedance of Table I 19.15.29.12 NMAC.**  
**Areas where samples were collected were then over excavated to achieve clean margins.**  
J: The identification of the analyte is acceptable; the reported value is an estimate.

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

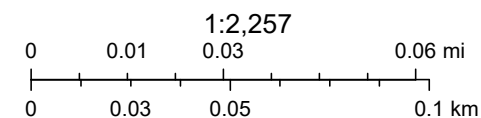
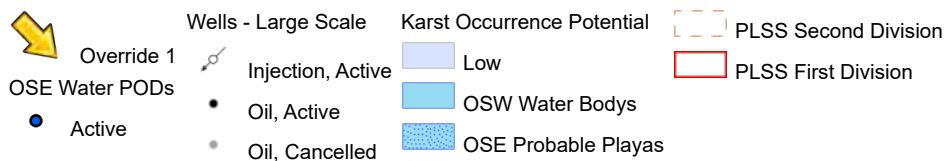
March 25, 2024

## **ATTACHMENT 1 – SITE CHARACTERIZATION DATA**

## EVGSAU 3366-029



3/26/2024, 12:34:16 PM



BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, Airbus

New Mexico Oil Conservation Division

# EVGSAU 3366-029 Remediation

300-foot buffer demonstration

Legend

 300-foot buffer

 4' excavation

 4'Additional Excavation



NWI Mapped PUBF Wetland





# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

| POD Number                 | POD Sub-Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng | X      | Y        | Distance | Depth Well | Depth Water | Water Column |
|----------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|----------|------------|-------------|--------------|
| <a href="#">L 04829 S5</a> | L            | LE    |        | 3    | 1    | 33  | 17S | 35E |     | 643347 | 3629400* | 120      | 220        | 90          | 130          |
| <a href="#">L 04880</a>    | L            | LE    |        | 2    | 3    | 33  | 17S | 35E |     | 643757 | 3629002* | 673      | 145        | 90          | 55           |
| <a href="#">L 04578</a>    | L            | LE    |        |      |      | 33  | 17S | 35E |     | 643962 | 3629198* | 766      | 126        | 60          | 66           |

Average Depth to Water: **80 feet**

Minimum Depth: **60 feet**

Maximum Depth: **90 feet**

Record Count: 3

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 643227.957

**Northing (Y):** 3629419

**Radius:** 800

\*UTM location was derived from PLSS - see Help

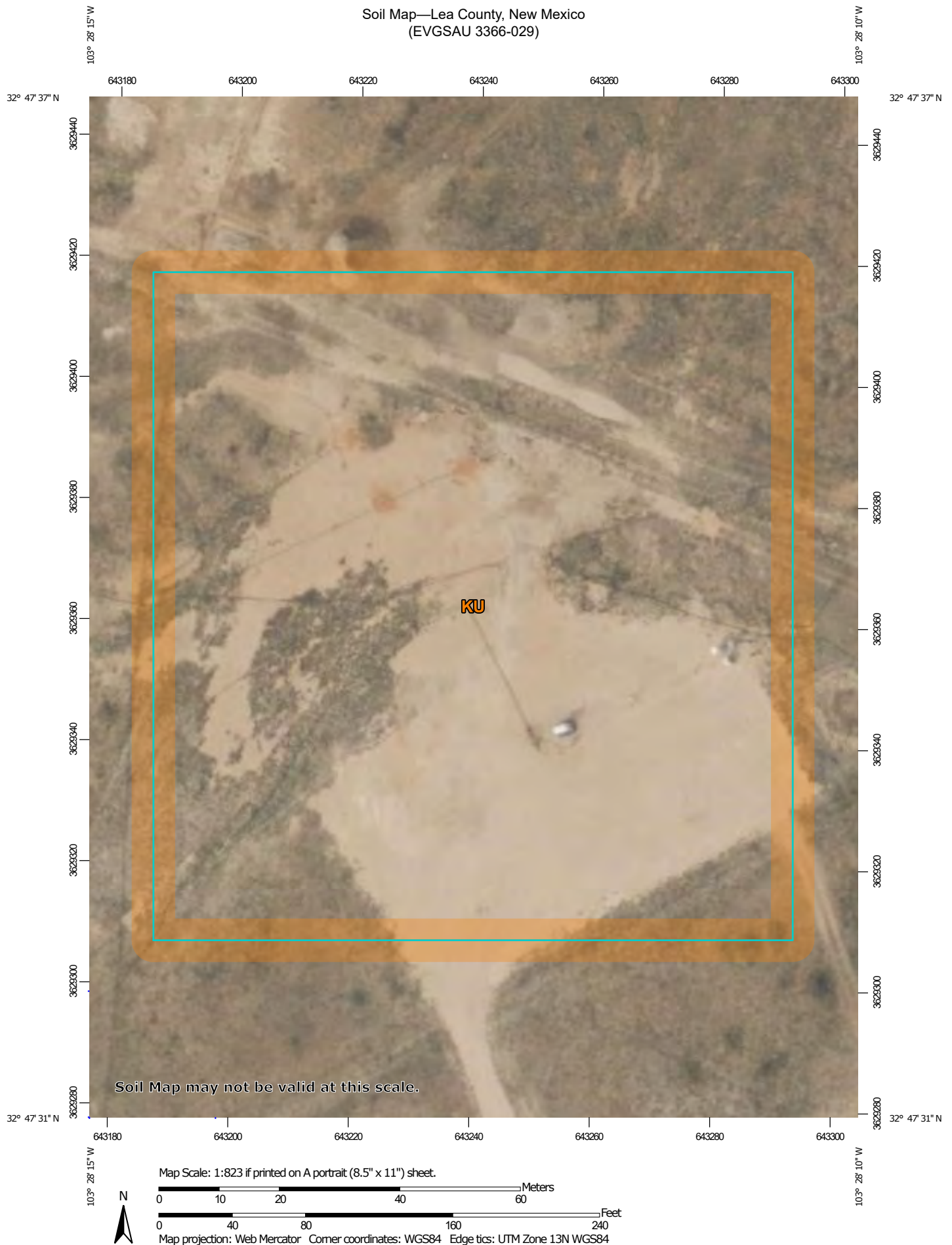
The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

10/15/20 7:59 AM

Page 1 of 1

WATER COLUMN/ AVERAGE  
DEPTH TO WATER

Soil Map—Lea County, New Mexico  
(EVGSAU 3366-029)



Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

3/23/2024  
Page 1 of 3

Soil Map—Lea County, New Mexico  
(EVGSAU 3366-029)

## MAP LEGEND

### Area of Interest (AOI)

 Area of Interest (AOI)

### Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

### Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

### Water Features



Streams and Canals

### Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

### Background



Aerial Photography

## MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

| Map Unit Symbol             | Map Unit Name                                     | Acres in AOI | Percent of AOI |
|-----------------------------|---------------------------------------------------|--------------|----------------|
| KU                          | Kimbrough-Lea complex, dry, 0 to 3 percent slopes | 2.9          | 100.0%         |
| Totals for Area of Interest |                                                   | 2.9          | 100.0%         |

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

EVGSAU 3366-029

## Lea County, New Mexico

### KU—Kimbrough-Lea complex, dry, 0 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 2tw46

*Elevation:* 2,500 to 4,800 feet

*Mean annual precipitation:* 14 to 16 inches

*Mean annual air temperature:* 57 to 63 degrees F

*Frost-free period:* 180 to 220 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Kimbrough and similar soils:* 45 percent

*Lea and similar soils:* 25 percent

*Minor components:* 30 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Kimbrough

##### Setting

*Landform:* Playa rims, plains

*Down-slope shape:* Convex, linear

*Across-slope shape:* Concave, linear

*Parent material:* Loamy eolian deposits derived from sedimentary rock

##### Typical profile

*A - 0 to 3 inches:* gravelly loam

*Bw - 3 to 10 inches:* loam

*Bkkm1 - 10 to 16 inches:* cemented material

*Bkkm2 - 16 to 80 inches:* cemented material

##### Properties and qualities

*Slope:* 0 to 3 percent

*Depth to restrictive feature:* 4 to 18 inches to petrocalcic

*Drainage class:* Well drained

*Runoff class:* Very high

*Capacity of the most limiting layer to transmit water (Ksat):* Very low to moderately low (0.00 to 0.01 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 95 percent

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Very low (about 1.4 inches)

##### Interpretive groups

*Land capability classification (irrigated):* None specified



Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

EVGSAU 3366-029

*Land capability classification (nonirrigated): 7s*  
*Hydrologic Soil Group: D*  
*Ecological site: R077DY049TX - Very Shallow 12-17" PZ*  
*Hydric soil rating: No*

## Description of Lea

### Setting

*Landform: Plains*  
*Down-slope shape: Convex*  
*Across-slope shape: Linear*  
*Parent material: Calcareous, loamy eolian deposits from the blackwater draw formation of pleistocene age over indurated caliche of pliocene age*

### Typical profile

*A - 0 to 10 inches: loam*  
*Bk - 10 to 18 inches: loam*  
*Bkk - 18 to 26 inches: gravelly fine sandy loam*  
*Bkkm - 26 to 80 inches: cemented material*

### Properties and qualities

*Slope: 0 to 3 percent*  
*Depth to restrictive feature: 22 to 30 inches to petrocalcic*  
*Drainage class: Well drained*  
*Runoff class: High*  
*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 90 percent*  
*Maximum salinity: Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)*  
*Sodium adsorption ratio, maximum: 3.0*  
*Available water supply, 0 to 60 inches: Very low (about 2.9 inches)*

### Interpretive groups

*Land capability classification (irrigated): None specified*  
*Land capability classification (nonirrigated): 7s*  
*Hydrologic Soil Group: D*  
*Ecological site: R077DY047TX - Sandy Loam 12-17" PZ*  
*Hydric soil rating: No*

## Minor Components

### Kenhill

*Percent of map unit: 12 percent*  
*Landform: Plains*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: R077DY038TX - Clay Loam 12-17" PZ*  
*Hydric soil rating: No*

Map Unit Description: Kimbrough-Lea complex, dry, 0 to 3 percent slopes---Lea County, New Mexico

EVGSAU 3366-029

### **Douro**

*Percent of map unit:* 12 percent

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Ecological site:* R077DY047TX - Sandy Loam 12-17" PZ

*Other vegetative classification:* Unnamed (G077DH000TX)

*Hydric soil rating:* No

### **Spraberry**

*Percent of map unit:* 6 percent

*Landform:* Playa rims, plains

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear

*Ecological site:* R077DY049TX - Very Shallow 12-17" PZ

*Other vegetative classification:* Unnamed (G077DH000TX)

*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Lea County, New Mexico

Survey Area Data: Version 20, Sep 6, 2023



Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## **ATTACHMENT 2 – INITIAL ASSESSMENT LABORATORY DATA**



August 25, 2017

Greg Pope  
TetraTech  
4000 N. Big Spring St.  
Ste 401  
Midland, TX 79705

RE: Project: 212C-MD-00938/EVGSAU 3366-029  
Pace Project No.: 7572014

Dear Greg Pope:

Enclosed are the analytical results for sample(s) received by the laboratory on August 15, 2017. The results relate only to the samples included in this report. Results reported herein conform to the most current, applicable TNI/NELAC standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

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

Sincerely,

Melissa McCullough  
melissa.mccullough@pacelabs.com  
(972)727-1123  
Project Manager

Enclosures

cc: Jeanne Fitch, Tetra Tech  
Todd Wells, TetraTech



## REPORT OF LABORATORY ANALYSIS

This report shall not be reproduced, except in full,  
without the written consent of Pace Analytical Services, LLC.



## CERTIFICATIONS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

### Kansas Certification IDs

9608 Loiret Boulevard, Lenexa, KS 66219

WY STR Certification #: 2456.01

Arkansas Certification #: 15-016-0

Illinois Certification #: 003097

Iowa Certification #: 118

Kansas/NELAP Certification #: E-10116

Louisiana Certification #: 03055

Nevada Certification #: KS000212008A

Oklahoma Certification #: 9205/9935

Texas Certification #: T104704407

Utah Certification #: KS00021

Kansas Field Laboratory Accreditation: # E-92587

Missouri Certification: 10070

## REPORT OF LABORATORY ANALYSIS

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### SAMPLE SUMMARY

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

| Lab ID     | Sample ID                     | Matrix | Date Collected | Date Received  |
|------------|-------------------------------|--------|----------------|----------------|
| 7572014001 | EVGSAU 3366-029 SB-01(0-1')   | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014002 | EVGSAU 3366-029 SB-01(2-3')   | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014003 | EVGSAU 3366-029 SB-01(4-5')   | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014004 | EVGSAU 3366-029 SB-01(6-7')   | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014005 | EVGSAU 3366-029 SB-01(9-10')  | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014006 | EVGSAU 3366-029 SB-01(14-15') | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014007 | EVGSAU 3366-029 SB-01(19-20') | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014008 | EVGSAU 3366-029 SB-01(24-25') | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014009 | EVGSAU 3366-029 SB-01(29-30') | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014010 | EVGSAU 3366-029 SB-01(34-35') | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014011 | EVGSAU 3366-029 SB-01(39-40') | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014012 | EVGSAU 3366-029 SB-01(44-45') | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014013 | EVGSAU 3366-029 SB-01(49-50') | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014014 | EVGSAU 3366-029 SB-01(54-55') | Solid  | 08/09/17 14:00 | 08/15/17 08:50 |
| 7572014015 | EVGSAU 3366-029 SB-2 (0-1')   | Solid  | 08/09/17 15:00 | 08/15/17 08:50 |
| 7572014016 | EVGSAU 3366-029 SB-2(2-3')    | Solid  | 08/09/17 15:00 | 08/15/17 08:50 |
| 7572014017 | EVGSAU 3366-029 SB-2 (4-5')   | Solid  | 08/09/17 15:00 | 08/15/17 08:50 |
| 7572014018 | EVGSAU 3366-029 SB-2(6-7')    | Solid  | 08/09/17 15:00 | 08/15/17 08:50 |
| 7572014019 | EVGSAU 3366-029 SB-2(9-10')   | Solid  | 08/09/17 15:00 | 08/15/17 08:50 |
| 7572014020 | EVGSAU 3366-029 SB-2 (14-15') | Solid  | 08/09/17 15:00 | 08/15/17 08:50 |
| 7572014021 | EVGSAU 3366-029 SB-2(19-20')  | Solid  | 08/08/17 15:00 | 08/15/17 08:50 |
| 7572014022 | EVGSAU 3366-029 SB-3 (0-1')   | Solid  | 08/09/17 17:00 | 08/15/17 08:50 |
| 7572014023 | EVGSAU 3366-029 SB-3(2-3')    | Solid  | 08/09/17 17:00 | 08/15/17 08:50 |
| 7572014024 | EVGSAU 3366-029 SB-3 (4-5')   | Solid  | 08/09/17 17:00 | 08/15/17 08:50 |
| 7572014025 | EVGSAU 3366-029 SB-3(6-7')    | Solid  | 08/09/17 17:00 | 08/15/17 08:50 |
| 7572014026 | EVGSAU 3366-029 SB-3(9-10')   | Solid  | 08/09/17 17:00 | 08/15/17 08:50 |
| 7572014027 | EVGSAU 3366-029 SB-3 (14-15') | Solid  | 08/09/17 17:00 | 08/15/17 08:50 |
| 7572014028 | EVGSAU 3366-029 SB-3(19-20')  | Solid  | 08/09/17 17:00 | 08/15/17 08:50 |
| 7572014029 | EVGSAU 3366-029 SB-3(24-25')  | Solid  | 08/09/17 17:00 | 08/15/17 08:50 |

### REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

| Lab ID     | Sample ID                     | Method    | Analysts | Analytes Reported | Laboratory |
|------------|-------------------------------|-----------|----------|-------------------|------------|
| 7572014001 | EVGSAU 3366-029 SB-01(0-1')   | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014002 | EVGSAU 3366-029 SB-01(2-3')   | EPA 8015B | AJM      | 4                 | PASI-K     |
|            |                               | EPA 8015B | JTK      | 2                 | PASI-K     |
|            |                               | EPA 8260  | JKL      | 7                 | PASI-K     |
|            |                               | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014003 | EVGSAU 3366-029 SB-01(4-5')   | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014004 | EVGSAU 3366-029 SB-01(6-7')   | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014005 | EVGSAU 3366-029 SB-01(9-10')  | EPA 8015B | AJM      | 4                 | PASI-K     |
|            |                               | EPA 8015B | JTK      | 2                 | PASI-K     |
|            |                               | EPA 8260  | JKL      | 7                 | PASI-K     |
|            |                               | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014006 | EVGSAU 3366-029 SB-01(14-15') | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014007 | EVGSAU 3366-029 SB-01(19-20') | EPA 8015B | AJM      | 4                 | PASI-K     |
|            |                               | EPA 8015B | JTK      | 2                 | PASI-K     |
|            |                               | EPA 8260  | JKL      | 7                 | PASI-K     |
|            |                               | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014008 | EVGSAU 3366-029 SB-01(24-25') | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014009 | EVGSAU 3366-029 SB-01(29-30') | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014010 | EVGSAU 3366-029 SB-01(34-35') | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014011 | EVGSAU 3366-029 SB-01(39-40') | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014012 | EVGSAU 3366-029 SB-01(44-45') | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014013 | EVGSAU 3366-029 SB-01(49-50') | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014014 | EVGSAU 3366-029 SB-01(54-55') | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014015 | EVGSAU 3366-029 SB-2 (0-1')   | EPA 8015B | AJM      | 4                 | PASI-K     |
|            |                               | EPA 8015B | JTK      | 2                 | PASI-K     |
|            |                               | EPA 8260  | JKL      | 7                 | PASI-K     |
|            |                               | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014016 | EVGSAU 3366-029 SB-2(2-3')    | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014017 | EVGSAU 3366-029 SB-2 (4-5')   | EPA 8015B | AJM      | 4                 | PASI-K     |
|            |                               | EPA 8015B | JTK      | 2                 | PASI-K     |
|            |                               | EPA 8260  | JKL      | 7                 | PASI-K     |
|            |                               | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014018 | EVGSAU 3366-029 SB-2(6-7')    | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014019 | EVGSAU 3366-029 SB-2(9-10')   | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014020 | EVGSAU 3366-029 SB-2 (14-15') | EPA 8015B | AJM      | 4                 | PASI-K     |
|            |                               | EPA 8015B | JTK      | 2                 | PASI-K     |
|            |                               | EPA 8260  | JKL      | 7                 | PASI-K     |

## REPORT OF LABORATORY ANALYSIS

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## SAMPLE ANALYTE COUNT

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

| Lab ID     | Sample ID                     | Method    | Analysts | Analytes Reported | Laboratory |
|------------|-------------------------------|-----------|----------|-------------------|------------|
|            |                               | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014021 | EVGSAU 3366-029 SB-2(19-20')  | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014022 | EVGSAU 3366-029 SB-3 (0-1')   | EPA 8015B | AJM      | 4                 | PASI-K     |
|            |                               | EPA 8015B | JTK      | 2                 | PASI-K     |
|            |                               | EPA 8260  | JKL      | 7                 | PASI-K     |
|            |                               | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014023 | EVGSAU 3366-029 SB-3(2-3')    | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014024 | EVGSAU 3366-029 SB-3 (4-5')   | EPA 8015B | AJM      | 4                 | PASI-K     |
|            |                               | EPA 8015B | JTK      | 2                 | PASI-K     |
|            |                               | EPA 8260  | JKL      | 7                 | PASI-K     |
|            |                               | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014025 | EVGSAU 3366-029 SB-3(6-7')    | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014026 | EVGSAU 3366-029 SB-3(9-10')   | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014027 | EVGSAU 3366-029 SB-3 (14-15') | EPA 8015B | AJM      | 4                 | PASI-K     |
|            |                               | EPA 8015B | JTK      | 2                 | PASI-K     |
|            |                               | EPA 8260  | JKL      | 7                 | PASI-K     |
|            |                               | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014028 | EVGSAU 3366-029 SB-3(19-20')  | EPA 300.0 | OL       | 1                 | PASI-K     |
| 7572014029 | EVGSAU 3366-029 SB-3(24-25')  | EPA 300.0 | OL       | 1                 | PASI-K     |

## REPORT OF LABORATORY ANALYSIS

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## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(0-1') Lab ID: 7572014001 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

## Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 780     | mg/kg | 101          | 10 | 08/18/17 11:24 | 08/18/17 17:18 | 16887-00-6 |      |

## REPORT OF LABORATORY ANALYSIS

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Page 6 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(2-3') Lab ID: 7572014002 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 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 |
|-------------------------------------------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| <b>8015B Diesel Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 3546    |         |       |              |    |                |                |            |      |
| TPH-DRO (C10-C28)                                                                               | 432     | mg/kg | 10           | 1  | 08/23/17 08:36 | 08/24/17 12:44 |            |      |
| TPH-ORO (C28-C35)                                                                               | 99.2    | mg/kg | 10           | 1  | 08/23/17 08:36 | 08/24/17 12:44 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| n-Tetracosane (S)                                                                               | 172     | %     | 65-119       | 1  | 08/23/17 08:36 | 08/24/17 12:44 | 646-31-1   | S5   |
| p-Terphenyl (S)                                                                                 | 74      | %     | 41-131       | 1  | 08/23/17 08:36 | 08/24/17 12:44 | 92-94-4    |      |
| <b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B |         |       |              |    |                |                |            |      |
| TPH-GRO                                                                                         | ND      | mg/kg | 10.6         | 1  | 08/20/17 00:00 | 08/21/17 20:13 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| 4-Bromofluorobenzene (S)                                                                        | 95      | %     | 64-122       | 1  | 08/20/17 00:00 | 08/21/17 20:13 | 460-00-4   |      |
| <b>8260/5035A Volatile Organics</b> Analytical Method: EPA 8260                                 |         |       |              |    |                |                |            |      |
| Benzene                                                                                         | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 20:29 | 71-43-2    |      |
| Ethylbenzene                                                                                    | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 20:29 | 100-41-4   |      |
| Toluene                                                                                         | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 20:29 | 108-88-3   |      |
| Xylene (Total)                                                                                  | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 20:29 | 1330-20-7  |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| Toluene-d8 (S)                                                                                  | 100     | %     | 87-112       | 1  |                | 08/22/17 20:29 | 2037-26-5  |      |
| 4-Bromofluorobenzene (S)                                                                        | 106     | %     | 87-115       | 1  |                | 08/22/17 20:29 | 460-00-4   |      |
| 1,2-Dichloroethane-d4 (S)                                                                       | 108     | %     | 85-115       | 1  |                | 08/22/17 20:29 | 17060-07-0 |      |
| <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0 Preparation Method: EPA 300.0       |         |       |              |    |                |                |            |      |
| Chloride                                                                                        | 470     | mg/kg | 103          | 10 | 08/18/17 11:24 | 08/18/17 17:31 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 7 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(4-5') Lab ID: 7572014003 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

## Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 569     | mg/kg | 96.7         | 10 | 08/18/17 11:24 | 08/18/17 17:44 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 8 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(6-7') Lab ID: 7572014004 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

## Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 723     | mg/kg | 98.2         | 10 | 08/18/17 11:24 | 08/18/17 17:57 | 16887-00-6 |      |

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Page 9 of 47

**ANALYTICAL RESULTS**

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

**Sample:** EVGSAU 3366-029 SB-01(9-10') **Lab ID:** 7572014005 **Collected:** 08/09/17 14:00 **Received:** 08/15/17 08:50 **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 |
|-------------------------------------------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| <b>8015B Diesel Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 3546    |         |       |              |    |                |                |            |      |
| TPH-DRO (C10-C28)                                                                               | ND      | mg/kg | 10.8         | 1  | 08/23/17 08:36 | 08/24/17 12:53 |            |      |
| TPH-ORO (C28-C35)                                                                               | ND      | mg/kg | 10.8         | 1  | 08/23/17 08:36 | 08/24/17 12:53 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| n-Tetracosane (S)                                                                               | 81      | %     | 65-119       | 1  | 08/23/17 08:36 | 08/24/17 12:53 | 646-31-1   |      |
| p-Terphenyl (S)                                                                                 | 80      | %     | 41-131       | 1  | 08/23/17 08:36 | 08/24/17 12:53 | 92-94-4    |      |
| <b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B |         |       |              |    |                |                |            |      |
| TPH-GRO                                                                                         | ND      | mg/kg | 11.0         | 1  | 08/20/17 00:00 | 08/21/17 20:29 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| 4-Bromofluorobenzene (S)                                                                        | 96      | %     | 64-122       | 1  | 08/20/17 00:00 | 08/21/17 20:29 | 460-00-4   |      |
| <b>8260/5035A Volatile Organics</b> Analytical Method: EPA 8260                                 |         |       |              |    |                |                |            |      |
| Benzene                                                                                         | ND      | ug/kg | 5.5          | 1  |                | 08/22/17 20:45 | 71-43-2    |      |
| Ethylbenzene                                                                                    | ND      | ug/kg | 5.5          | 1  |                | 08/22/17 20:45 | 100-41-4   |      |
| Toluene                                                                                         | ND      | ug/kg | 5.5          | 1  |                | 08/22/17 20:45 | 108-88-3   |      |
| Xylene (Total)                                                                                  | ND      | ug/kg | 5.5          | 1  |                | 08/22/17 20:45 | 1330-20-7  |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| Toluene-d8 (S)                                                                                  | 100     | %     | 87-112       | 1  |                | 08/22/17 20:45 | 2037-26-5  |      |
| 4-Bromofluorobenzene (S)                                                                        | 105     | %     | 87-115       | 1  |                | 08/22/17 20:45 | 460-00-4   |      |
| 1,2-Dichloroethane-d4 (S)                                                                       | 108     | %     | 85-115       | 1  |                | 08/22/17 20:45 | 17060-07-0 |      |
| <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0 Preparation Method: EPA 300.0       |         |       |              |    |                |                |            |      |
| Chloride                                                                                        | 545     | mg/kg | 109          | 10 | 08/18/17 11:24 | 08/18/17 18:10 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 10 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(14-15') Lab ID: 7572014006 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters              | Results | Units                                                      | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|-------------------------|---------|------------------------------------------------------------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days |         | Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |              |    |                |                |            |      |
| Chloride                | 1510    | mg/kg                                                      | 96.2         | 10 | 08/18/17 11:24 | 08/18/17 18:23 | 16887-00-6 |      |

## REPORT OF LABORATORY ANALYSIS

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Page 11 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(19-20') Lab ID: 7572014007 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 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 |
|-------------------------------------------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| <b>8015B Diesel Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 3546    |         |       |              |    |                |                |            |      |
| TPH-DRO (C10-C28)                                                                               | ND      | mg/kg | 10.5         | 1  | 08/23/17 08:36 | 08/24/17 14:09 |            |      |
| TPH-ORO (C28-C35)                                                                               | ND      | mg/kg | 10.5         | 1  | 08/23/17 08:36 | 08/24/17 14:09 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| n-Tetracosane (S)                                                                               | 80      | %     | 65-119       | 1  | 08/23/17 08:36 | 08/24/17 14:09 | 646-31-1   |      |
| p-Terphenyl (S)                                                                                 | 79      | %     | 41-131       | 1  | 08/23/17 08:36 | 08/24/17 14:09 | 92-94-4    |      |
| <b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B |         |       |              |    |                |                |            |      |
| TPH-GRO                                                                                         | ND      | mg/kg | 10.7         | 1  | 08/20/17 00:00 | 08/21/17 20:45 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| 4-Bromofluorobenzene (S)                                                                        | 94      | %     | 64-122       | 1  | 08/20/17 00:00 | 08/21/17 20:45 | 460-00-4   |      |
| <b>8260/5035A Volatile Organics</b> Analytical Method: EPA 8260                                 |         |       |              |    |                |                |            |      |
| Benzene                                                                                         | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 21:01 | 71-43-2    |      |
| Ethylbenzene                                                                                    | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 21:01 | 100-41-4   |      |
| Toluene                                                                                         | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 21:01 | 108-88-3   |      |
| Xylene (Total)                                                                                  | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 21:01 | 1330-20-7  |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| Toluene-d8 (S)                                                                                  | 100     | %     | 87-112       | 1  |                | 08/22/17 21:01 | 2037-26-5  |      |
| 4-Bromofluorobenzene (S)                                                                        | 103     | %     | 87-115       | 1  |                | 08/22/17 21:01 | 460-00-4   |      |
| 1,2-Dichloroethane-d4 (S)                                                                       | 108     | %     | 85-115       | 1  |                | 08/22/17 21:01 | 17060-07-0 |      |
| <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0 Preparation Method: EPA 300.0       |         |       |              |    |                |                |            |      |
| Chloride                                                                                        | 686     | mg/kg | 103          | 10 | 08/18/17 11:24 | 08/18/17 18:36 | 16887-00-6 |      |

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Page 12 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(24-25') Lab ID: 7572014008 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 1500    | mg/kg | 98.2         | 10 | 08/18/17 11:24 | 08/18/17 19:14 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 13 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(29-30') Lab ID: 7572014009 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 2430    | mg/kg | 195          | 20 | 08/18/17 11:24 | 08/19/17 09:15 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 14 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(34-35') Lab ID: 7572014010 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 2640    | mg/kg | 196          | 20 | 08/18/17 11:24 | 08/19/17 09:28 | 16887-00-6 |      |

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Page 15 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(39-40') Lab ID: 7572014011 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters              | Results | Units                                                      | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|-------------------------|---------|------------------------------------------------------------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days |         | Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |              |    |                |                |            |      |
| Chloride                | 567     | mg/kg                                                      | 101          | 10 | 08/22/17 10:47 | 08/22/17 10:47 | 16887-00-6 |      |

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Page 16 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(44-45') Lab ID: 7572014012 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 114     | mg/kg | 101          | 10 | 08/22/17 13:03 | 08/22/17 13:03 | 16887-00-6 |      |

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Page 17 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(49-50') Lab ID: 7572014013 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters              | Results | Units                                                      | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|-------------------------|---------|------------------------------------------------------------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days |         | Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |              |    |                |                |            |      |
| Chloride                | 105     | mg/kg                                                      | 97.8         | 10 | 08/22/17 13:18 | 08/22/17 13:18 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 18 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-01(54-55') Lab ID: 7572014014 Collected: 08/09/17 14:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters              | Results | Units                                                      | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|-------------------------|---------|------------------------------------------------------------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days |         | Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |              |    |                |                |            |      |
| Chloride                | 112     | mg/kg                                                      | 101          | 10 | 08/22/17 13:33 | 08/22/17 13:33 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 19 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-2 (0-1') Lab ID: 7572014015 Collected: 08/09/17 15:00 Received: 08/15/17 08:50 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 |
|-------------------------------------------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| <b>8015B Diesel Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 3546    |         |       |              |    |                |                |            |      |
| TPH-DRO (C10-C28)                                                                               | ND      | mg/kg | 33.1         | 1  | 08/23/17 08:36 | 08/24/17 13:12 |            |      |
| TPH-ORO (C28-C35)                                                                               | ND      | mg/kg | 33.1         | 1  | 08/23/17 08:36 | 08/24/17 13:12 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| n-Tetracosane (S)                                                                               | 81      | %     | 65-119       | 1  | 08/23/17 08:36 | 08/24/17 13:12 | 646-31-1   |      |
| p-Terphenyl (S)                                                                                 | 81      | %     | 41-131       | 1  | 08/23/17 08:36 | 08/24/17 13:12 | 92-94-4    |      |
| <b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B |         |       |              |    |                |                |            |      |
| TPH-GRO                                                                                         | ND      | mg/kg | 11.5         | 1  | 08/20/17 00:00 | 08/21/17 21:01 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| 4-Bromofluorobenzene (S)                                                                        | 87      | %     | 64-122       | 1  | 08/20/17 00:00 | 08/21/17 21:01 | 460-00-4   |      |
| <b>8260/5035A Volatile Organics</b> Analytical Method: EPA 8260                                 |         |       |              |    |                |                |            |      |
| Benzene                                                                                         | ND      | ug/kg | 5.7          | 1  |                | 08/22/17 21:17 | 71-43-2    |      |
| Ethylbenzene                                                                                    | ND      | ug/kg | 5.7          | 1  |                | 08/22/17 21:17 | 100-41-4   |      |
| Toluene                                                                                         | ND      | ug/kg | 5.7          | 1  |                | 08/22/17 21:17 | 108-88-3   |      |
| Xylene (Total)                                                                                  | ND      | ug/kg | 5.7          | 1  |                | 08/22/17 21:17 | 1330-20-7  |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| Toluene-d8 (S)                                                                                  | 100     | %     | 87-112       | 1  |                | 08/22/17 21:17 | 2037-26-5  |      |
| 4-Bromofluorobenzene (S)                                                                        | 104     | %     | 87-115       | 1  |                | 08/22/17 21:17 | 460-00-4   |      |
| 1,2-Dichloroethane-d4 (S)                                                                       | 109     | %     | 85-115       | 1  |                | 08/22/17 21:17 | 17060-07-0 |      |
| <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0 Preparation Method: EPA 300.0       |         |       |              |    |                |                |            |      |
| Chloride                                                                                        | 129     | mg/kg | 116          | 10 | 08/22/17 13:48 | 08/22/17 13:48 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 20 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-2(2-3') Lab ID: 7572014016 Collected: 08/09/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 291     | mg/kg | 101          | 10 | 08/22/17 14:03 | 08/22/17 14:03 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 21 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-2 (4-5') Lab ID: 7572014017 Collected: 08/09/17 15:00 Received: 08/15/17 08:50 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 |
|-------------------------------------------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| <b>8015B Diesel Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 3546    |         |       |              |    |                |                |            |      |
| TPH-DRO (C10-C28)                                                                               | 25.4    | mg/kg | 10.2         | 1  | 08/23/17 08:36 | 08/24/17 13:21 |            |      |
| TPH-ORO (C28-C35)                                                                               | 33.1    | mg/kg | 10.2         | 1  | 08/23/17 08:36 | 08/24/17 13:21 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| n-Tetracosane (S)                                                                               | 89      | %     | 65-119       | 1  | 08/23/17 08:36 | 08/24/17 13:21 | 646-31-1   |      |
| p-Terphenyl (S)                                                                                 | 85      | %     | 41-131       | 1  | 08/23/17 08:36 | 08/24/17 13:21 | 92-94-4    |      |
| <b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B |         |       |              |    |                |                |            |      |
| TPH-GRO                                                                                         | ND      | mg/kg | 10.6         | 1  | 08/20/17 00:00 | 08/21/17 21:48 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| 4-Bromofluorobenzene (S)                                                                        | 94      | %     | 64-122       | 1  | 08/20/17 00:00 | 08/21/17 21:48 | 460-00-4   |      |
| <b>8260/5035A Volatile Organics</b> Analytical Method: EPA 8260                                 |         |       |              |    |                |                |            |      |
| Benzene                                                                                         | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 21:33 | 71-43-2    |      |
| Ethylbenzene                                                                                    | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 21:33 | 100-41-4   |      |
| Toluene                                                                                         | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 21:33 | 108-88-3   |      |
| Xylene (Total)                                                                                  | ND      | ug/kg | 5.3          | 1  |                | 08/22/17 21:33 | 1330-20-7  |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| Toluene-d8 (S)                                                                                  | 99      | %     | 87-112       | 1  |                | 08/22/17 21:33 | 2037-26-5  |      |
| 4-Bromofluorobenzene (S)                                                                        | 104     | %     | 87-115       | 1  |                | 08/22/17 21:33 | 460-00-4   |      |
| 1,2-Dichloroethane-d4 (S)                                                                       | 106     | %     | 85-115       | 1  |                | 08/22/17 21:33 | 17060-07-0 |      |
| <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0 Preparation Method: EPA 300.0       |         |       |              |    |                |                |            |      |
| Chloride                                                                                        | 208     | mg/kg | 103          | 10 | 08/22/17 15:31 | 08/22/17 15:31 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 22 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-2(6-7') Lab ID: 7572014018 Collected: 08/09/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

## Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 245     | mg/kg | 96.5         | 10 | 08/22/17 15:46 | 08/22/17 15:46 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 23 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-2(9-10') Lab ID: 7572014019 Collected: 08/09/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

## Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 160     | mg/kg | 98.8         | 10 | 08/22/17 16:02 | 08/22/17 16:02 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 24 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

**Sample:** EVGSAU 3366-029 SB-2 **Lab ID:** 7572014020 **Collected:** 08/09/17 15:00 **Received:** 08/15/17 08:50 **Matrix:** Solid  
 (14-15')

**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 |
|-------------------------------------------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| <b>8015B Diesel Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 3546    |         |       |              |    |                |                |            |      |
| TPH-DRO (C10-C28)                                                                               | ND      | mg/kg | 9.8          | 1  | 08/23/17 08:36 | 08/24/17 13:31 |            |      |
| TPH-ORO (C28-C35)                                                                               | ND      | mg/kg | 9.8          | 1  | 08/23/17 08:36 | 08/24/17 13:31 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| n-Tetracosane (S)                                                                               | 76      | %     | 65-119       | 1  | 08/23/17 08:36 | 08/24/17 13:31 | 646-31-1   |      |
| p-Terphenyl (S)                                                                                 | 79      | %     | 41-131       | 1  | 08/23/17 08:36 | 08/24/17 13:31 | 92-94-4    |      |
| <b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B |         |       |              |    |                |                |            |      |
| TPH-GRO                                                                                         | ND      | mg/kg | 10.3         | 1  | 08/20/17 00:00 | 08/21/17 22:04 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| 4-Bromofluorobenzene (S)                                                                        | 97      | %     | 64-122       | 1  | 08/20/17 00:00 | 08/21/17 22:04 | 460-00-4   |      |
| <b>8260/5035A Volatile Organics</b> Analytical Method: EPA 8260                                 |         |       |              |    |                |                |            |      |
| Benzene                                                                                         | ND      | ug/kg | 5.2          | 1  |                | 08/22/17 21:49 | 71-43-2    |      |
| Ethylbenzene                                                                                    | ND      | ug/kg | 5.2          | 1  |                | 08/22/17 21:49 | 100-41-4   |      |
| Toluene                                                                                         | ND      | ug/kg | 5.2          | 1  |                | 08/22/17 21:49 | 108-88-3   |      |
| Xylene (Total)                                                                                  | ND      | ug/kg | 5.2          | 1  |                | 08/22/17 21:49 | 1330-20-7  |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| Toluene-d8 (S)                                                                                  | 100     | %     | 87-112       | 1  |                | 08/22/17 21:49 | 2037-26-5  |      |
| 4-Bromofluorobenzene (S)                                                                        | 102     | %     | 87-115       | 1  |                | 08/22/17 21:49 | 460-00-4   |      |
| 1,2-Dichloroethane-d4 (S)                                                                       | 107     | %     | 85-115       | 1  |                | 08/22/17 21:49 | 17060-07-0 |      |
| <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0 Preparation Method: EPA 300.0       |         |       |              |    |                |                |            |      |
| Chloride                                                                                        | 107     | mg/kg | 104          | 10 | 08/22/17 16:17 | 08/22/17 16:17 | 16887-00-6 | M1   |

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Date: 08/25/2017 11:00 AM

Page 25 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-2(19-20') Lab ID: 7572014021 Collected: 08/08/17 15:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters              | Results | Units                                                      | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|-------------------------|---------|------------------------------------------------------------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days |         | Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |              |    |                |                |            |      |
| Chloride                | 111     | mg/kg                                                      | 99.2         | 10 | 08/22/17 17:17 | 08/22/17 17:17 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 26 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-3 (0-1') Lab ID: 7572014022 Collected: 08/09/17 17:00 Received: 08/15/17 08:50 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 |
|-------------------------------------------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| <b>8015B Diesel Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 3546    |         |       |              |    |                |                |            |      |
| TPH-DRO (C10-C28)                                                                               | ND      | mg/kg | 12.3         | 1  | 08/23/17 08:36 | 08/24/17 13:40 |            |      |
| TPH-ORO (C28-C35)                                                                               | ND      | mg/kg | 12.3         | 1  | 08/23/17 08:36 | 08/24/17 13:40 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| n-Tetracosane (S)                                                                               | 68      | %     | 65-119       | 1  | 08/23/17 08:36 | 08/24/17 13:40 | 646-31-1   |      |
| p-Terphenyl (S)                                                                                 | 70      | %     | 41-131       | 1  | 08/23/17 08:36 | 08/24/17 13:40 | 92-94-4    |      |
| <b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B |         |       |              |    |                |                |            |      |
| TPH-GRO                                                                                         | ND      | mg/kg | 12.7         | 1  | 08/20/17 00:00 | 08/21/17 22:20 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| 4-Bromofluorobenzene (S)                                                                        | 95      | %     | 64-122       | 1  | 08/20/17 00:00 | 08/21/17 22:20 | 460-00-4   |      |
| <b>8260/5035A Volatile Organics</b> Analytical Method: EPA 8260                                 |         |       |              |    |                |                |            |      |
| Benzene                                                                                         | ND      | ug/kg | 6.2          | 1  |                | 08/22/17 22:05 | 71-43-2    |      |
| Ethylbenzene                                                                                    | ND      | ug/kg | 6.2          | 1  |                | 08/22/17 22:05 | 100-41-4   |      |
| Toluene                                                                                         | ND      | ug/kg | 6.2          | 1  |                | 08/22/17 22:05 | 108-88-3   |      |
| Xylene (Total)                                                                                  | ND      | ug/kg | 6.2          | 1  |                | 08/22/17 22:05 | 1330-20-7  |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| Toluene-d8 (S)                                                                                  | 99      | %     | 87-112       | 1  |                | 08/22/17 22:05 | 2037-26-5  |      |
| 4-Bromofluorobenzene (S)                                                                        | 102     | %     | 87-115       | 1  |                | 08/22/17 22:05 | 460-00-4   |      |
| 1,2-Dichloroethane-d4 (S)                                                                       | 109     | %     | 85-115       | 1  |                | 08/22/17 22:05 | 17060-07-0 |      |
| <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0 Preparation Method: EPA 300.0       |         |       |              |    |                |                |            |      |
| Chloride                                                                                        | 2080    | mg/kg | 122          | 10 | 08/22/17 17:32 | 08/22/17 17:32 | 16887-00-6 |      |

## REPORT OF LABORATORY ANALYSIS

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Date: 08/25/2017 11:00 AM

Page 27 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-3(2-3') Lab ID: 7572014023 Collected: 08/09/17 17:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 487     | mg/kg | 97.3         | 10 | 08/22/17 17:47 | 08/22/17 17:47 | 16887-00-6 |      |

## REPORT OF LABORATORY ANALYSIS

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Date: 08/25/2017 11:00 AM

Page 28 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-3 (4-5') Lab ID: 7572014024 Collected: 08/09/17 17:00 Received: 08/15/17 08:50 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 |
|-------------------------------------------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| <b>8015B Diesel Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 3546    |         |       |              |    |                |                |            |      |
| TPH-DRO (C10-C28)                                                                               | ND      | mg/kg | 10.8         | 1  | 08/23/17 08:36 | 08/24/17 13:50 |            |      |
| TPH-ORO (C28-C35)                                                                               | ND      | mg/kg | 10.8         | 1  | 08/23/17 08:36 | 08/24/17 13:50 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| n-Tetracosane (S)                                                                               | 74      | %     | 65-119       | 1  | 08/23/17 08:36 | 08/24/17 13:50 | 646-31-1   |      |
| p-Terphenyl (S)                                                                                 | 74      | %     | 41-131       | 1  | 08/23/17 08:36 | 08/24/17 13:50 | 92-94-4    |      |
| <b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B |         |       |              |    |                |                |            |      |
| TPH-GRO                                                                                         | ND      | mg/kg | 11.0         | 1  | 08/20/17 00:00 | 08/21/17 22:36 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| 4-Bromofluorobenzene (S)                                                                        | 96      | %     | 64-122       | 1  | 08/20/17 00:00 | 08/21/17 22:36 | 460-00-4   |      |
| <b>8260/5035A Volatile Organics</b> Analytical Method: EPA 8260                                 |         |       |              |    |                |                |            |      |
| Benzene                                                                                         | ND      | ug/kg | 5.4          | 1  |                | 08/22/17 22:21 | 71-43-2    |      |
| Ethylbenzene                                                                                    | ND      | ug/kg | 5.4          | 1  |                | 08/22/17 22:21 | 100-41-4   |      |
| Toluene                                                                                         | ND      | ug/kg | 5.4          | 1  |                | 08/22/17 22:21 | 108-88-3   |      |
| Xylene (Total)                                                                                  | ND      | ug/kg | 5.4          | 1  |                | 08/22/17 22:21 | 1330-20-7  |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| Toluene-d8 (S)                                                                                  | 99      | %     | 87-112       | 1  |                | 08/22/17 22:21 | 2037-26-5  |      |
| 4-Bromofluorobenzene (S)                                                                        | 103     | %     | 87-115       | 1  |                | 08/22/17 22:21 | 460-00-4   |      |
| 1,2-Dichloroethane-d4 (S)                                                                       | 110     | %     | 85-115       | 1  |                | 08/22/17 22:21 | 17060-07-0 |      |
| <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0 Preparation Method: EPA 300.0       |         |       |              |    |                |                |            |      |
| Chloride                                                                                        | 2180    | mg/kg | 216          | 20 | 08/22/17 08:00 | 08/23/17 16:36 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 29 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-3(6-7') Lab ID: 7572014025 Collected: 08/09/17 17:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 1350    | mg/kg | 101          | 10 | 08/22/17 18:18 | 08/22/17 18:18 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 30 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-3(9-10') Lab ID: 7572014026 Collected: 08/09/17 17:00 Received: 08/15/17 08:50 Matrix: Solid

## Results reported on a "wet-weight" basis

| Parameters              | Results | Units                                                      | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|-------------------------|---------|------------------------------------------------------------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days |         | Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |              |    |                |                |            |      |
| Chloride                | 672     | mg/kg                                                      | 96.9         | 10 | 08/22/17 18:33 | 08/22/17 18:33 | 16887-00-6 |      |

## REPORT OF LABORATORY ANALYSIS

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Date: 08/25/2017 11:00 AM

Page 31 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

**Sample:** EVGSAU 3366-029 SB-3 **Lab ID:** 7572014027 **Collected:** 08/09/17 17:00 **Received:** 08/15/17 08:50 **Matrix:** Solid  
 (14-15')

**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 |
|-------------------------------------------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| <b>8015B Diesel Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 3546    |         |       |              |    |                |                |            |      |
| TPH-DRO (C10-C28)                                                                               | ND      | mg/kg | 10.5         | 1  | 08/23/17 08:36 | 08/24/17 13:59 |            |      |
| TPH-ORO (C28-C35)                                                                               | ND      | mg/kg | 10.5         | 1  | 08/23/17 08:36 | 08/24/17 13:59 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| n-Tetracosane (S)                                                                               | 84      | %     | 65-119       | 1  | 08/23/17 08:36 | 08/24/17 13:59 | 646-31-1   |      |
| p-Terphenyl (S)                                                                                 | 85      | %     | 41-131       | 1  | 08/23/17 08:36 | 08/24/17 13:59 | 92-94-4    |      |
| <b>Gasoline Range Organics</b> Analytical Method: EPA 8015B Preparation Method: EPA 5035A/5030B |         |       |              |    |                |                |            |      |
| TPH-GRO                                                                                         | ND      | mg/kg | 10.7         | 1  | 08/23/17 00:00 | 08/23/17 14:32 |            |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| 4-Bromofluorobenzene (S)                                                                        | 100     | %     | 64-122       | 1  | 08/23/17 00:00 | 08/23/17 14:32 | 460-00-4   |      |
| <b>8260/5035A Volatile Organics</b> Analytical Method: EPA 8260                                 |         |       |              |    |                |                |            |      |
| Benzene                                                                                         | ND      | ug/kg | 5.4          | 1  |                | 08/22/17 22:37 | 71-43-2    |      |
| Ethylbenzene                                                                                    | ND      | ug/kg | 5.4          | 1  |                | 08/22/17 22:37 | 100-41-4   |      |
| Toluene                                                                                         | ND      | ug/kg | 5.4          | 1  |                | 08/22/17 22:37 | 108-88-3   |      |
| Xylene (Total)                                                                                  | ND      | ug/kg | 5.4          | 1  |                | 08/22/17 22:37 | 1330-20-7  |      |
| <b>Surrogates</b>                                                                               |         |       |              |    |                |                |            |      |
| Toluene-d8 (S)                                                                                  | 100     | %     | 87-112       | 1  |                | 08/22/17 22:37 | 2037-26-5  |      |
| 4-Bromofluorobenzene (S)                                                                        | 104     | %     | 87-115       | 1  |                | 08/22/17 22:37 | 460-00-4   |      |
| 1,2-Dichloroethane-d4 (S)                                                                       | 107     | %     | 85-115       | 1  |                | 08/22/17 22:37 | 17060-07-0 |      |
| <b>300.0 IC Anions 28 Days</b> Analytical Method: EPA 300.0 Preparation Method: EPA 300.0       |         |       |              |    |                |                |            |      |
| Chloride                                                                                        | 425     | mg/kg | 103          | 10 | 08/22/17 18:48 | 08/22/17 18:48 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 32 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-3(19-20') Lab ID: 7572014028 Collected: 08/09/17 17:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters                                                 | Results | Units | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|------------------------------------------------------------|---------|-------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days                                    |         |       |              |    |                |                |            |      |
| Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |         |       |              |    |                |                |            |      |
| Chloride                                                   | 131     | mg/kg | 98.8         | 10 | 08/22/17 19:03 | 08/22/17 19:03 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 33 of 47



## ANALYTICAL RESULTS

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

Sample: EVGSAU 3366-029 SB-3(24-25') Lab ID: 7572014029 Collected: 08/09/17 17:00 Received: 08/15/17 08:50 Matrix: Solid

Results reported on a "wet-weight" basis

| Parameters              | Results | Units                                                      | Report Limit | DF | Prepared       | Analyzed       | CAS No.    | Qual |
|-------------------------|---------|------------------------------------------------------------|--------------|----|----------------|----------------|------------|------|
| 300.0 IC Anions 28 Days |         | Analytical Method: EPA 300.0 Preparation Method: EPA 300.0 |              |    |                |                |            |      |
| Chloride                | 108     | mg/kg                                                      | 97.7         | 10 | 08/22/17 19:18 | 08/22/17 19:18 | 16887-00-6 |      |

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Date: 08/25/2017 11:00 AM

Page 34 of 47

## QUALITY CONTROL DATA

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

QC Batch: 490632 Analysis Method: EPA 8015B  
QC Batch Method: EPA 5035A/5030B Analysis Description: Gasoline Range Organics  
Associated Lab Samples: 7572014002, 7572014005, 7572014007, 7572014015, 7572014017, 7572014020, 7572014022, 7572014024

METHOD BLANK: 2008512 Matrix: Solid  
Associated Lab Samples: 7572014002, 7572014005, 7572014007, 7572014015, 7572014017, 7572014020, 7572014022, 7572014024

| Parameter                | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| TPH-GRO                  | mg/kg | ND           | 10.0            | 08/21/17 15:45 |            |
| 4-Bromofluorobenzene (S) | %     | 112          | 64-122          | 08/21/17 15:45 |            |

LABORATORY CONTROL SAMPLE: 2008513

| Parameter                | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| TPH-GRO                  | mg/kg | 50          | 48.4       | 97        | 85-130       |            |
| 4-Bromofluorobenzene (S) | %     |             |            | 109       | 64-122       |            |

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 2008514 2008515

| Parameter                | Units | 7572002014 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                | 56             | 56              | 58.0      | 56.0       | 102      | 98        | 85-125       | 4   | 12      |      |
| 4-Bromofluorobenzene (S) | %     |                   |                |                 |           |            | 101      | 87        | 64-122       |     |         |      |

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Date: 08/25/2017 11:00 AM

Page 35 of 47

## QUALITY CONTROL DATA

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

QC Batch: 491143

Analysis Method: EPA 8015B

QC Batch Method: EPA 5035A/5030B

Analysis Description: Gasoline Range Organics

Associated Lab Samples: 7572014027

METHOD BLANK: 2010285

Matrix: Solid

Associated Lab Samples: 7572014027

| Parameter                | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|--------------------------|-------|--------------|-----------------|----------------|------------|
| TPH-GRO                  | mg/kg | ND           | 10.0            | 08/23/17 11:22 |            |
| 4-Bromofluorobenzene (S) | %     | 110          | 64-122          | 08/23/17 11:22 |            |

LABORATORY CONTROL SAMPLE: 2010286

| Parameter                | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|--------------------------|-------|-------------|------------|-----------|--------------|------------|
| TPH-GRO                  | mg/kg | 50          | 51.7       | 103       | 85-130       |            |
| 4-Bromofluorobenzene (S) | %     |             |            | 105       | 64-122       |            |

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Date: 08/25/2017 11:00 AM

Page 36 of 47

### QUALITY CONTROL DATA

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

QC Batch: 490867 Analysis Method: EPA 8260  
QC Batch Method: EPA 8260 Analysis Description: 8260 MSV 5035A Volatile Organics  
Associated Lab Samples: 7572014002, 7572014005, 7572014007, 7572014015, 7572014017, 7572014020, 7572014022, 7572014024, 7572014027

METHOD BLANK: 2009313 Matrix: Solid  
Associated Lab Samples: 7572014002, 7572014005, 7572014007, 7572014015, 7572014017, 7572014020, 7572014022, 7572014024, 7572014027

| Parameter                 | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|---------------------------|-------|--------------|-----------------|----------------|------------|
| Benzene                   | ug/kg | ND           | 5.0             | 08/22/17 18:03 |            |
| Ethylbenzene              | ug/kg | ND           | 5.0             | 08/22/17 18:03 |            |
| Toluene                   | ug/kg | ND           | 5.0             | 08/22/17 18:03 |            |
| Xylene (Total)            | ug/kg | ND           | 5.0             | 08/22/17 18:03 |            |
| 1,2-Dichloroethane-d4 (S) | %     | 105          | 85-115          | 08/22/17 18:03 |            |
| 4-Bromofluorobenzene (S)  | %     | 104          | 87-115          | 08/22/17 18:03 |            |
| Toluene-d8 (S)            | %     | 101          | 87-112          | 08/22/17 18:03 |            |

LABORATORY CONTROL SAMPLE: 2009314

| Parameter                 | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|---------------------------|-------|-------------|------------|-----------|--------------|------------|
| Benzene                   | ug/kg | 100         | 87.6       | 88        | 81-115       |            |
| Ethylbenzene              | ug/kg | 100         | 82.4       | 82        | 76-119       |            |
| Toluene                   | ug/kg | 100         | 84.1       | 84        | 77-116       |            |
| Xylene (Total)            | ug/kg | 300         | 247        | 82        | 76-121       |            |
| 1,2-Dichloroethane-d4 (S) | %     |             |            | 109       | 85-115       |            |
| 4-Bromofluorobenzene (S)  | %     |             |            | 105       | 87-115       |            |
| Toluene-d8 (S)            | %     |             |            | 101       | 87-112       |            |

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Date: 08/25/2017 11:00 AM

Page 37 of 47

### QUALITY CONTROL DATA

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

QC Batch: 491042 Analysis Method: EPA 8015B  
QC Batch Method: EPA 3546 Analysis Description: EPA 8015B  
Associated Lab Samples: 7572014002, 7572014005, 7572014007, 7572014015, 7572014017, 7572014020, 7572014022, 7572014024, 7572014027

METHOD BLANK: 2009940 Matrix: Solid  
Associated Lab Samples: 7572014002, 7572014005, 7572014007, 7572014015, 7572014017, 7572014020, 7572014022, 7572014024, 7572014027

| Parameter         | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-------------------|-------|--------------|-----------------|----------------|------------|
| TPH-DRO (C10-C28) | mg/kg | ND           | 9.8             | 08/24/17 10:12 |            |
| TPH-ORO (C28-C35) | mg/kg | ND           | 9.8             | 08/24/17 10:12 |            |
| n-Tetracosane (S) | %     | 92           | 65-119          | 08/24/17 10:12 |            |
| p-Terphenyl (S)   | %     | 92           | 41-131          | 08/24/17 10:12 |            |

LABORATORY CONTROL SAMPLE: 2009941

| Parameter         | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-------------------|-------|-------------|------------|-----------|--------------|------------|
| TPH-DRO (C10-C28) | mg/kg | 80.9        | 72.7       | 90        | 80-112       |            |
| n-Tetracosane (S) | %     |             |            | 86        | 65-119       |            |
| p-Terphenyl (S)   | %     |             |            | 85        | 41-131       |            |

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 2009942 2009943

| Parameter         | Units | 7572007029 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 | 212               | 92.9           | 95.5            | 361       | 208        | 161      | -4        | 10-180       | 54  | 39      | M1, R1 |
| n-Tetracosane (S) | %     |                   |                |                 |           |            | 106      | 79        | 65-119       |     | 58      |        |
| p-Terphenyl (S)   | %     |                   |                |                 |           |            | 97       | 77        | 41-131       |     | 56      |        |

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### REPORT OF LABORATORY ANALYSIS

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Date: 08/25/2017 11:00 AM

Page 38 of 47

**QUALITY CONTROL DATA**

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

QC Batch: 490442 Analysis Method: EPA 300.0  
 QC Batch Method: EPA 300.0 Analysis Description: 300.0 IC Anions  
 Associated Lab Samples: 7572014001, 7572014002, 7572014003, 7572014004, 7572014005, 7572014006, 7572014007, 7572014008, 7572014009, 7572014010

METHOD BLANK: 2007674 Matrix: Solid  
 Associated Lab Samples: 7572014001, 7572014002, 7572014003, 7572014004, 7572014005, 7572014006, 7572014007, 7572014008, 7572014009, 7572014010

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Chloride  | mg/kg | ND           | 100             | 08/19/17 08:23 |            |

LABORATORY CONTROL SAMPLE: 2007675

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride  | mg/kg | 500         | 485        | 97        | 90-110       |            |

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 2007676 2007677

| Parameter | Units | 7572004016 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                | 585            | 590             | 559       | ND         | 89       | 3         | 80-120       |     | 15      | M1   |

MATRIX SPIKE SAMPLE: 2007678

| Parameter | Units | 7572004025 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Chloride  | mg/kg | ND                | 687         | 139       | 5        | 80-120       | M1         |

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**REPORT OF LABORATORY ANALYSIS**

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Date: 08/25/2017 11:00 AM

Page 39 of 47

**QUALITY CONTROL DATA**

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

|                         |                                                                                                                                                                                                                                    |                       |                 |
|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|-----------------|
| QC Batch:               | 490485                                                                                                                                                                                                                             | Analysis Method:      | EPA 300.0       |
| QC Batch Method:        | EPA 300.0                                                                                                                                                                                                                          | Analysis Description: | 300.0 IC Anions |
| Associated Lab Samples: | 7572014011, 7572014012, 7572014013, 7572014014, 7572014015, 7572014016, 7572014017, 7572014018, 7572014019, 7572014020, 7572014021, 7572014022, 7572014023, 7572014024, 7572014025, 7572014026, 7572014027, 7572014028, 7572014029 |                       |                 |

METHOD BLANK: 2007886

Matrix: Solid

Associated Lab Samples: 7572014011, 7572014012, 7572014013, 7572014014, 7572014015, 7572014016, 7572014017, 7572014018, 7572014019, 7572014020, 7572014021, 7572014022, 7572014023, 7572014024, 7572014025, 7572014026, 7572014027, 7572014028, 7572014029

| Parameter | Units | Blank Result | Reporting Limit | Analyzed       | Qualifiers |
|-----------|-------|--------------|-----------------|----------------|------------|
| Chloride  | mg/kg | ND           | 100             | 08/23/17 15:50 |            |

LABORATORY CONTROL SAMPLE: 2007887

| Parameter | Units | Spike Conc. | LCS Result | LCS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------|------------|-----------|--------------|------------|
| Chloride  | mg/kg | 500         | 476        | 95        | 90-110       |            |

MATRIX SPIKE &amp; MATRIX SPIKE DUPLICATE: 2007888 2007889

| Parameter | Units | 7572014011 Result | MS Spike Conc. | MSD Spike Conc. | MS Result | MSD Result | MS % Rec | MSD % Rec | % Rec Limits | RPD | Max RPD | Qual |
|-----------|-------|-------------------|----------------|-----------------|-----------|------------|----------|-----------|--------------|-----|---------|------|
| Chloride  | mg/kg | 567               | 506            | 499             | 1040      | 1040       | 94       | 95        | 80-120       | 0   | 15      |      |

MATRIX SPIKE SAMPLE: 2007890

| Parameter | Units | 7572014020 Result | Spike Conc. | MS Result | MS % Rec | % Rec Limits | Qualifiers |
|-----------|-------|-------------------|-------------|-----------|----------|--------------|------------|
| Chloride  | mg/kg | 107               | 504         | 139       | 6        | 80-120       | M1         |

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Date: 08/25/2017 11:00 AM

Page 40 of 47



## QUALIFIERS

Project: 212C-MD-00938/EVGSAU 3366-029  
Pace Project No.: 7572014

### 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.  
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.  
Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.  
TNI - The Nelac Institute

### LABORATORIES

PASI-K Pace Analytical Services - Kansas City

### BATCH QUALIFIERS

Batch: 490996

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

Batch: 491374

[M5] A matrix spike/matrix spike duplicate was not performed for this batch due to insufficient sample volume.

### ANALYTE QUALIFIERS

M1 Matrix spike recovery exceeded QC limits. Batch accepted based on laboratory control sample (LCS) recovery.  
R1 RPD value was outside control limits.  
S5 Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

## REPORT OF LABORATORY ANALYSIS

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Date: 08/25/2017 11:00 AM

Page 41 of 47

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

| Lab ID     | Sample ID                     | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|------------|-------------------------------|-----------------|----------|-------------------|------------------|
| 7572014002 | EVGSAU 3366-029 SB-01(2-3')   | EPA 3546        | 491042   | EPA 8015B         | 491258           |
| 7572014005 | EVGSAU 3366-029 SB-01(9-10')  | EPA 3546        | 491042   | EPA 8015B         | 491258           |
| 7572014007 | EVGSAU 3366-029 SB-01(19-20') | EPA 3546        | 491042   | EPA 8015B         | 491258           |
| 7572014015 | EVGSAU 3366-029 SB-2 (0-1')   | EPA 3546        | 491042   | EPA 8015B         | 491258           |
| 7572014017 | EVGSAU 3366-029 SB-2 (4-5')   | EPA 3546        | 491042   | EPA 8015B         | 491258           |
| 7572014020 | EVGSAU 3366-029 SB-2 (14-15') | EPA 3546        | 491042   | EPA 8015B         | 491258           |
| 7572014022 | EVGSAU 3366-029 SB-3 (0-1')   | EPA 3546        | 491042   | EPA 8015B         | 491258           |
| 7572014024 | EVGSAU 3366-029 SB-3 (4-5')   | EPA 3546        | 491042   | EPA 8015B         | 491258           |
| 7572014027 | EVGSAU 3366-029 SB-3 (14-15') | EPA 3546        | 491042   | EPA 8015B         | 491258           |
| 7572014002 | EVGSAU 3366-029 SB-01(2-3')   | EPA 5035A/5030B | 490632   | EPA 8015B         | 490997           |
| 7572014005 | EVGSAU 3366-029 SB-01(9-10')  | EPA 5035A/5030B | 490632   | EPA 8015B         | 490997           |
| 7572014007 | EVGSAU 3366-029 SB-01(19-20') | EPA 5035A/5030B | 490632   | EPA 8015B         | 490997           |
| 7572014015 | EVGSAU 3366-029 SB-2 (0-1')   | EPA 5035A/5030B | 490632   | EPA 8015B         | 490997           |
| 7572014017 | EVGSAU 3366-029 SB-2 (4-5')   | EPA 5035A/5030B | 490632   | EPA 8015B         | 490997           |
| 7572014020 | EVGSAU 3366-029 SB-2 (14-15') | EPA 5035A/5030B | 490632   | EPA 8015B         | 490997           |
| 7572014022 | EVGSAU 3366-029 SB-3 (0-1')   | EPA 5035A/5030B | 490632   | EPA 8015B         | 490997           |
| 7572014024 | EVGSAU 3366-029 SB-3 (4-5')   | EPA 5035A/5030B | 490632   | EPA 8015B         | 490997           |
| 7572014027 | EVGSAU 3366-029 SB-3 (14-15') | EPA 5035A/5030B | 491143   | EPA 8015B         | 491374           |
| 7572014002 | EVGSAU 3366-029 SB-01(2-3')   | EPA 8260        | 490867   |                   |                  |
| 7572014005 | EVGSAU 3366-029 SB-01(9-10')  | EPA 8260        | 490867   |                   |                  |
| 7572014007 | EVGSAU 3366-029 SB-01(19-20') | EPA 8260        | 490867   |                   |                  |
| 7572014015 | EVGSAU 3366-029 SB-2 (0-1')   | EPA 8260        | 490867   |                   |                  |
| 7572014017 | EVGSAU 3366-029 SB-2 (4-5')   | EPA 8260        | 490867   |                   |                  |
| 7572014020 | EVGSAU 3366-029 SB-2 (14-15') | EPA 8260        | 490867   |                   |                  |
| 7572014022 | EVGSAU 3366-029 SB-3 (0-1')   | EPA 8260        | 490867   |                   |                  |
| 7572014024 | EVGSAU 3366-029 SB-3 (4-5')   | EPA 8260        | 490867   |                   |                  |
| 7572014027 | EVGSAU 3366-029 SB-3 (14-15') | EPA 8260        | 490867   |                   |                  |
| 7572014001 | EVGSAU 3366-029 SB-01(0-1')   | EPA 300.0       | 490442   | EPA 300.0         | 490562           |
| 7572014002 | EVGSAU 3366-029 SB-01(2-3')   | EPA 300.0       | 490442   | EPA 300.0         | 490562           |
| 7572014003 | EVGSAU 3366-029 SB-01(4-5')   | EPA 300.0       | 490442   | EPA 300.0         | 490562           |
| 7572014004 | EVGSAU 3366-029 SB-01(6-7')   | EPA 300.0       | 490442   | EPA 300.0         | 490562           |
| 7572014005 | EVGSAU 3366-029 SB-01(9-10')  | EPA 300.0       | 490442   | EPA 300.0         | 490562           |
| 7572014006 | EVGSAU 3366-029 SB-01(14-15') | EPA 300.0       | 490442   | EPA 300.0         | 490562           |
| 7572014007 | EVGSAU 3366-029 SB-01(19-20') | EPA 300.0       | 490442   | EPA 300.0         | 490562           |
| 7572014008 | EVGSAU 3366-029 SB-01(24-25') | EPA 300.0       | 490442   | EPA 300.0         | 490562           |
| 7572014009 | EVGSAU 3366-029 SB-01(29-30') | EPA 300.0       | 490442   | EPA 300.0         | 490573           |
| 7572014010 | EVGSAU 3366-029 SB-01(34-35') | EPA 300.0       | 490442   | EPA 300.0         | 490573           |
| 7572014011 | EVGSAU 3366-029 SB-01(39-40') | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014012 | EVGSAU 3366-029 SB-01(44-45') | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014013 | EVGSAU 3366-029 SB-01(49-50') | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014014 | EVGSAU 3366-029 SB-01(54-55') | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014015 | EVGSAU 3366-029 SB-2 (0-1')   | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014016 | EVGSAU 3366-029 SB-2(2-3')    | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014017 | EVGSAU 3366-029 SB-2 (4-5')   | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014018 | EVGSAU 3366-029 SB-2(6-7')    | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014019 | EVGSAU 3366-029 SB-2(9-10')   | EPA 300.0       | 490485   | EPA 300.0         | 491036           |

## REPORT OF LABORATORY ANALYSIS

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Page 42 of 47

## QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: 212C-MD-00938/EVGSAU 3366-029

Pace Project No.: 7572014

| Lab ID     | Sample ID                     | QC Batch Method | QC Batch | Analytical Method | Analytical Batch |
|------------|-------------------------------|-----------------|----------|-------------------|------------------|
| 7572014020 | EVGSAU 3366-029 SB-2 (14-15') | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014021 | EVGSAU 3366-029 SB-2(19-20')  | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014022 | EVGSAU 3366-029 SB-3 (0-1')   | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014023 | EVGSAU 3366-029 SB-3(2-3')    | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014024 | EVGSAU 3366-029 SB-3 (4-5')   | EPA 300.0       | 490485   | EPA 300.0         | 491104           |
| 7572014025 | EVGSAU 3366-029 SB-3(6-7')    | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014026 | EVGSAU 3366-029 SB-3(9-10')   | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014027 | EVGSAU 3366-029 SB-3 (14-15') | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014028 | EVGSAU 3366-029 SB-3(19-20')  | EPA 300.0       | 490485   | EPA 300.0         | 491036           |
| 7572014029 | EVGSAU 3366-029 SB-3(24-25')  | EPA 300.0       | 490485   | EPA 300.0         | 491036           |

## REPORT OF LABORATORY ANALYSIS

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Date: 08/25/2017 11:00 AM

Page 43 of 47

|                                                                                   |                                                 |                                                  |
|-----------------------------------------------------------------------------------|-------------------------------------------------|--------------------------------------------------|
|  | Document Name:<br>Sample Condition Upon Receipt | Document Revised: 7/25/16<br>Page 1 of 1         |
|                                                                                   | Document No.:<br>F-DAL-C-001-rev.06             | Issuing Authority:<br>Pace Dallas Quality Office |

### Sample Condition Upon Receipt

☒ Dallas    ☐ Ft Worth    ☐ San Angelo

WO#: 7572014

Client Name: Tetra Tech Project Work order:



Courier: FedEX ☒ UPS ☐ USPS ☐ Client ☐ Courier ☐ LSO ☐ PACE ☐ Other:

Tracking#: 7420 89791910 / 7420 8979 1909

Custody Seal on Cooler/Box: Yes ☒ No ☐ Seals Intact: Yes ☒ No ☐ NA ☐

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

Thermometer Used: IR-154 Type of Ice: Wet ☒ Blue ☐ None ☐ Sample Received on ice, cooling process has begun ☒

Cooler Temp °C: 4.3, 4.0 (Recorded) 0.2 (Correction Factor) 4.5, 4.2 (Actual) Temp should be above freezing to 6°C

|                                                                                                                                                                                  |                                                                                                 |                                                                                                                                                                                                                                                                                                          |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Chain of Custody Present                                                                                                                                                         | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | 1                                                                                                                                                                                                                                                                                                        |
| Chain of Custody filled out                                                                                                                                                      | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | 2                                                                                                                                                                                                                                                                                                        |
| Chain of Custody relinquished                                                                                                                                                    | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>            | 3                                                                                                                                                                                                                                                                                                        |
| Sampler name & signature on COC                                                                                                                                                  | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | 4                                                                                                                                                                                                                                                                                                        |
| Sample received within HT                                                                                                                                                        | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | 5                                                                                                                                                                                                                                                                                                        |
| Short HT analyses (<72 hrs)                                                                                                                                                      | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA <input type="checkbox"/> | 6                                                                                                                                                                                                                                                                                                        |
| Rush TAT requested                                                                                                                                                               | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA <input type="checkbox"/> | 7                                                                                                                                                                                                                                                                                                        |
| Sufficient Volume received                                                                                                                                                       | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | 8                                                                                                                                                                                                                                                                                                        |
| Correct Container used                                                                                                                                                           | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>            | 9                                                                                                                                                                                                                                                                                                        |
| Pace Container used                                                                                                                                                              | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> |                                                                                                                                                                                                                                                                                                          |
| Container Intact                                                                                                                                                                 | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | 10                                                                                                                                                                                                                                                                                                       |
| Unpreserved 5035A soil frozen within 48 hrs                                                                                                                                      | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/> | 11                                                                                                                                                                                                                                                                                                       |
| Filtered volume received for Dissolved tests                                                                                                                                     | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> NA <input type="checkbox"/> | 12                                                                                                                                                                                                                                                                                                       |
| Sample labels match COC                                                                                                                                                          | Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/> | 13                                                                                                                                                                                                                                                                                                       |
| Include date/time/ID/analyses Matrix: <u>soil</u>                                                                                                                                |                                                                                                 | <u>Samples 22-29 do not match</u>                                                                                                                                                                                                                                                                        |
| All containers needing preservation have been checked                                                                                                                            | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/> | 14a. Lot# of pH strip: _____<br>Original pH: < <input type="checkbox"/> or > <input type="checkbox"/> 2 <input type="checkbox"/> 9 <input type="checkbox"/> 12 <input type="checkbox"/> or received Neutral <input type="checkbox"/><br>Lot# of Iodine strip: _____<br>Lot# of Lead Acetate strip: _____ |
| Do containers require preservation at the lab                                                                                                                                    | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/> | 14b. Preservation: _____ Lot# and adjusted pH: _____<br>pH < 2 <input type="checkbox"/> pH > 9 <input type="checkbox"/> pH > 12 <input type="checkbox"/>                                                                                                                                                 |
| All containers needing preservation are found to be in Compliance with EPA recommendation                                                                                        | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>            | 14c. _____                                                                                                                                                                                                                                                                                               |
| Exception: VOA, coliform, O&G                                                                                                                                                    | Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>                             |                                                                                                                                                                                                                                                                                                          |
| Are soil samples (volatiles) received in Bulk <input type="checkbox"/> Terracore <input type="checkbox"/> EnCore <input type="checkbox"/> NA <input checked="" type="checkbox"/> |                                                                                                 | 15.                                                                                                                                                                                                                                                                                                      |
| Trip Blank present                                                                                                                                                               | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/> | 16.                                                                                                                                                                                                                                                                                                      |
| Trip Blank Custody Seals Intact                                                                                                                                                  | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>            |                                                                                                                                                                                                                                                                                                          |
| Pace Trip Blank Lot# (if purchased): _____                                                                                                                                       |                                                                                                 |                                                                                                                                                                                                                                                                                                          |
| Headspace in VOA (>6mm)                                                                                                                                                          | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input checked="" type="checkbox"/> | 17.                                                                                                                                                                                                                                                                                                      |
| Project sampled in USDA Regulated Area:                                                                                                                                          | Yes <input type="checkbox"/> No <input type="checkbox"/> NA <input type="checkbox"/>            | 18. List State <u>TX</u>                                                                                                                                                                                                                                                                                 |

Client Notification/Resolution/Comments:

Person Contacted: \_\_\_\_\_ Date: \_\_\_\_\_

Comments/Resolution: \_\_\_\_\_

Person Examining Contents: SS Date: 8/15/17 Project Manager Review: mm

7572014

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste 401 Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

| Client Name: Conoco Phillips                                                                                                          |                               | Site Manager: Ike Tavaraz        |                                                    |        |      |                     |                  |     |              |                |
|---------------------------------------------------------------------------------------------------------------------------------------|-------------------------------|----------------------------------|----------------------------------------------------|--------|------|---------------------|------------------|-----|--------------|----------------|
| Project Name: EVGSAU 3366-029                                                                                                         |                               |                                  |                                                    |        |      |                     |                  |     |              |                |
| Project Location: (county, state)                                                                                                     | Lea Co NM                     | Project #:                       | 212C-MD-00938                                      |        |      |                     |                  |     |              |                |
| Invoice to:                                                                                                                           |                               |                                  |                                                    |        |      |                     |                  |     |              |                |
| Receiving Laboratory: Pace Analytical                                                                                                 |                               | Sampler Signature: Clint Merritt |                                                    |        |      |                     |                  |     |              |                |
| Comments: If TPH exceeds 1,000 mg/kg, run deeper sample. If Benzene exceeds 10mg/kg or total BTEX exceeds 50 mg/kg, run deeper sample |                               |                                  |                                                    |        |      |                     |                  |     |              |                |
| LAB #<br>(LAB USE ONLY)                                                                                                               | SAMPLE IDENTIFICATION         | SAMPLING                         |                                                    | MATRIX |      | PRESERVATIVE METHOD |                  |     | # CONTAINERS | FILTERED (Y/N) |
|                                                                                                                                       |                               | DATE                             | TIME                                               | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE |              |                |
| 001                                                                                                                                   | EVGSAU 3366-029 SB-1 (0-1')   | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| 002                                                                                                                                   | EVGSAU 3366-029 SB-1 (2-3')   | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| 003                                                                                                                                   | EVGSAU 3366-029 SB-1 (4-5')   | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| 004                                                                                                                                   | EVGSAU 3366-029 SB-1 (6-7')   | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| 005                                                                                                                                   | EVGSAU 3366-029 SB-1 (9-10')  | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| 006                                                                                                                                   | EVGSAU 3366-029 SB-1 (14-15') | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| 007                                                                                                                                   | EVGSAU 3366-029 SB-1 (19-20') | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| 008                                                                                                                                   | EVGSAU 3366-029 SB-1 (24-25') | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| 009                                                                                                                                   | EVGSAU 3366-029 SB-1 (29-30') | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| 010                                                                                                                                   | EVGSAU 3366-029 SB-1 (34-35') | 8/9/2017                         | 14:00                                              | X      | X    |                     |                  | X   | 1            |                |
| Relinquished by: Clint Merritt                                                                                                        | Date: 8/14/17                 | Time: 17:00                      | Received by: [Signature] Date: 8/15/17 Time: 11:00 |        |      |                     |                  |     |              |                |
| Relinquished by:                                                                                                                      | Date:                         | Time:                            | Received by: Date: Time:                           |        |      |                     |                  |     |              |                |
| Relinquished by:                                                                                                                      | Date:                         | Time:                            | Received by: Date: Time:                           |        |      |                     |                  |     |              |                |

| ANALYSIS REQUEST<br>(Circle or Specify Method No.) |   |  |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------|---|--|--|--|--|--|--|--|--|--|--|
| TPH 8015M (Ext to C35)                             |   |  |  |  |  |  |  |  |  |  |  |
| TPH 8015M (GRO - DRO - ORO - MBO)                  | X |  |  |  |  |  |  |  |  |  |  |
| 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. B260B / 624                             |   |  |  |  |  |  |  |  |  |  |  |
| GC/MS Semi. Vol. B270C/625                         |   |  |  |  |  |  |  |  |  |  |  |
| PCBs 8082 / 608                                    |   |  |  |  |  |  |  |  |  |  |  |
| NORM                                               |   |  |  |  |  |  |  |  |  |  |  |
| PLM (Asbestos)                                     | X |  |  |  |  |  |  |  |  |  |  |
| Chloride                                           | X |  |  |  |  |  |  |  |  |  |  |
| Chloride Sulfate TDS                               |   |  |  |  |  |  |  |  |  |  |  |
| General Water Chemistry (see attached list)        |   |  |  |  |  |  |  |  |  |  |  |
| Anion/Cation Balance                               |   |  |  |  |  |  |  |  |  |  |  |
| Hold                                               |   |  |  |  |  |  |  |  |  |  |  |

|                                |                                                                                                                                                                                |
|--------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                   | REMARKS:                                                                                                                                                                       |
| Sample Temperature<br>4.2, 4.5 | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |

ORIGINAL COPY

(Circle) HAND DELIVERED PEDEX UPS Tracking #: 7420 8979 1910 7420 8979 1909

757204

Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

4000 N. Big Spring Street, Ste 401  
Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

| Client Name: Conoco Phillips                                                                                                          |                                | Site Manager: Ike Tavaréz        |               |                          |      |                     |                  |     |              |                |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--------------------------------|----------------------------------|---------------|--------------------------|------|---------------------|------------------|-----|--------------|----------------|--|
| Project Name: EVGSAU 3366-029                                                                                                         |                                |                                  |               |                          |      |                     |                  |     |              |                |  |
| Project Location: (county, state)                                                                                                     | Lea Co NM                      | Project #:                       | 212C-MD-00938 |                          |      |                     |                  |     |              |                |  |
| Invoice to:                                                                                                                           |                                |                                  |               |                          |      |                     |                  |     |              |                |  |
| Receiving Laboratory: Pace Analytical                                                                                                 |                                | Sampler Signature: Clint Merritt |               |                          |      |                     |                  |     |              |                |  |
| Comments: If TPH exceeds 1,000 mg/kg, run deeper sample. If Benzene exceeds 10mg/kg or total BTEX exceeds 50 mg/kg, run deeper sample |                                |                                  |               |                          |      |                     |                  |     |              |                |  |
| LAB #<br>(LAB USE ONLY)                                                                                                               | SAMPLE IDENTIFICATION          | SAMPLING                         |               | MATRIX                   |      | PRESERVATIVE METHOD |                  |     | # CONTAINERS | FILTERED (Y/N) |  |
|                                                                                                                                       |                                | DATE                             | TIME          | WATER                    | SOIL | HCL                 | HNO <sub>3</sub> | ICE |              |                |  |
| 011                                                                                                                                   | EVGSAU 3366-029 SB-1 (39'-40') | 8/9/2017                         | 14:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| 012                                                                                                                                   | EVGSAU 3366-029 SB-1 (44'-45') | 8/9/2017                         | 14:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| 013                                                                                                                                   | EVGSAU 3366-029 SB-1 (49'-50') | 8/9/2017                         | 14:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| 014                                                                                                                                   | EVGSAU 3366-029 SB-1 (54'-55') | 8/9/2017                         | 14:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| 015                                                                                                                                   | EVGSAU 3366-029 SB-2 (0'-1')   | 8/9/2017                         | 15:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| 016                                                                                                                                   | EVGSAU 3366-029 SB-2 (2'-3')   | 8/9/2017                         | 15:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| 017                                                                                                                                   | EVGSAU 3366-029 SB-2 (4'-5')   | 8/9/2017                         | 15:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| 018                                                                                                                                   | EVGSAU 3366-029 SB-2 (6'-7')   | 8/9/2017                         | 15:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| 019                                                                                                                                   | EVGSAU 3366-029 SB-2 (9'-10')  | 8/9/2017                         | 15:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| 020                                                                                                                                   | EVGSAU 3366-029 SB-2 (14'-15') | 8/9/2017                         | 15:00         | X                        | X    |                     |                  | X   |              | 1              |  |
| Relinquished by: Clint Merritt                                                                                                        |                                | Date: 8/14/17                    | Time: 17:00   | Received by: [Signature] |      | Date: 8/15/17       | Time: 08:57      |     |              |                |  |
| Relinquished by:                                                                                                                      |                                | Date:                            | Time:         | Received by:             |      | Date:               | Time:            |     |              |                |  |
| Relinquished by:                                                                                                                      |                                | Date:                            | Time:         | Received by:             |      | Date:               | Time:            |     |              |                |  |

| ANALYSIS REQUEST<br>(Circle or Specify Method No.) |   |  |  |  |  |  |  |  |  |  |  |
|----------------------------------------------------|---|--|--|--|--|--|--|--|--|--|--|
| 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)                                     | X |  |  |  |  |  |  |  |  |  |  |
| Chloride                                           | X |  |  |  |  |  |  |  |  |  |  |
| Chloride Sulfate TDS                               |   |  |  |  |  |  |  |  |  |  |  |
| General Water Chemistry (see attached list)        |   |  |  |  |  |  |  |  |  |  |  |
| Anion/Cation Balance                               |   |  |  |  |  |  |  |  |  |  |  |
| Hold                                               |   |  |  |  |  |  |  |  |  |  |  |

|                                                               |  |
|---------------------------------------------------------------|--|
| REMARKS:                                                      |  |
| LAB USE ONLY                                                  |  |
| Sample Temperature<br>4.2, 4.5                                |  |
| <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr     |  |
| <input type="checkbox"/> Rush Charges Authorized              |  |
| <input type="checkbox"/> Special Report Limits or TRRP Report |  |

## Analysis Request of Chain of Custody Record

Page 3 of 3



## Tetra Tech, Inc.

4000 N. Big Spring Street, Ste  
401 Midland, Texas 79705  
Tel (432) 682-4659  
Fax (432) 682-3946

|                                                                                                                                       |  |                                  |  |
|---------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------|--|
| Client Name: Conoco Phillips                                                                                                          |  | Site Manager: Ike Tavaraz        |  |
| Project Name: EVGSAU 3366-029                                                                                                         |  | Project #: 212C-MD-00938         |  |
| Project Location: (county, state) Lea Co NM                                                                                           |  | Invoice to:                      |  |
| Receiving Laboratory: Pace Analytical                                                                                                 |  | Sampler Signature: Clint Merritt |  |
| Comments: If TPH exceeds 1,000 mg/kg, run deeper sample. If Benzene exceeds 10mg/kg or total BTEX exceeds 50 mg/kg, run deeper sample |  |                                  |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION          |          | SAMPLING |      | MATRIX |                  | PRESERVATIVE METHOD |   |  | # CONTAINERS | FILTERED (Y/N) |
|-------------------------|--------------------------------|----------|----------|------|--------|------------------|---------------------|---|--|--------------|----------------|
|                         | DATE                           | TIME     | WATER    | SOIL | HCL    | HNO <sub>3</sub> | ICE                 |   |  |              |                |
| 021                     | EVGSAU 3366-029 SB-2 (19'-20') | 8/8/2017 | 15:00    | X    |        |                  |                     | X |  | 1            |                |
| 022                     | EVGSAU 3366-029 SB-2 (0-1') *  | 8/9/2017 | 17:00    | X    |        |                  |                     | X |  | 1            |                |
| 023                     | EVGSAU 3366-029 SB-2 (2'-3')   | 8/9/2017 | 17:00    | X    |        |                  |                     | X |  | 1            |                |
| 024                     | EVGSAU 3366-029 SB-2 (4'-5')   | 8/9/2017 | 17:00    | X    |        |                  |                     | X |  | 1            |                |
| 025                     | EVGSAU 3366-029 SB-2 (6'-7')   | 8/9/2017 | 17:00    | X    |        |                  |                     | X |  | 1            |                |
| 026                     | EVGSAU 3366-029 SB-2 (9'-10')  | 8/9/2017 | 17:00    | X    |        |                  |                     | X |  | 1            |                |
| 027                     | EVGSAU 3366-029 SB-2 (14'-15') | 8/9/2017 | 17:00    | X    |        |                  |                     | X |  | 1            |                |
| 028                     | EVGSAU 3366-029 SB-2 (19'-20') | 8/9/2017 | 17:00    | X    |        |                  |                     | X |  | 1            |                |
| 029                     | EVGSAU 3366-029 SB-2 (24'-25') | 8/9/2017 | 17:00    | X    |        |                  |                     | X |  | 1            |                |

|                                |               |             |
|--------------------------------|---------------|-------------|
| Relinquished by: Clint Merritt | Date: 8/14/17 | Time: 17:00 |
| Relinquished by:               | Date:         | Time:       |
| Relinquished by:               | Date:         | Time:       |

|              |               |            |
|--------------|---------------|------------|
| Received by: | Date: 8/15/17 | Time: 0850 |
| Received by: | Date:         | Time:      |
| Received by: | Date:         | Time:      |

|                              |                                                                                                                                                                                |
|------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| LAB USE ONLY                 | REMARKS:                                                                                                                                                                       |
| Sample Temperature: 4.2, 4.5 | <input type="checkbox"/> RUSH: Same Day 24 hr 48 hr 72 hr<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |

|                                                    |      |
|----------------------------------------------------|------|
| ANALYSIS REQUEST<br>(Circle or Specify Method No.) | Hold |
| TPH TX1005 (EXT to C35)                            |      |
| TPH 8015M (GRO - DRO - ORO - MRO)                  |      |
| PAH 8270C                                          |      |
| Total Metals Ag As Ba Cd Cr Pb Se Hg               |      |
| TCLP Metals Ag As Ba Cd Cr Pb Se Hg                |      |
| TCLP Volatiles                                     |      |
| TCLP Semi Volatiles                                |      |
| RCI                                                |      |
| GC/MS Vol. 8260B / 624                             |      |
| GC/MS Semi. Vol. 8270C/625                         |      |
| PCBs 8082 / 608                                    |      |
| NORM                                               |      |
| PLM (Asbestos)                                     | X    |
| Chloride                                           | X    |
| Chloride Sulfate TDS                               |      |
| General Water Chemistry (see attached list)        |      |
| Anion/Cation Balance                               |      |

\* corrected IDs to SB-3 per Orig Paper 8-16-17  
ORIGINAL COPY

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## **ATTACHMENT 3 – INITIAL REMEDIATION LABORATORY DATA**



## ANALYTICAL REPORT

February 05, 2019

**ConocoPhillips - Tetra Tech**

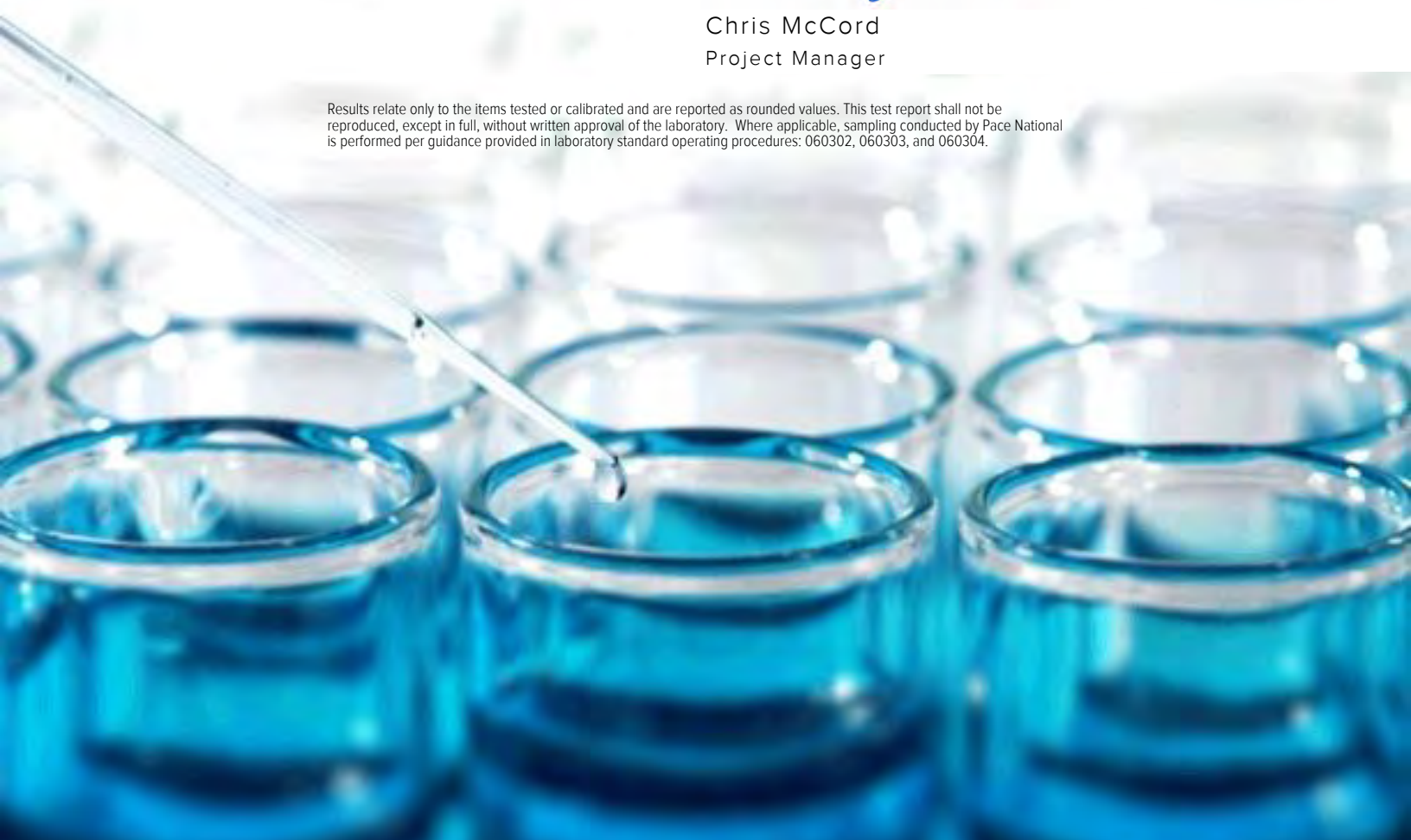
Sample Delivery Group: L1065066  
Samples Received: 01/29/2019  
Project Number: 212C-MD-01576  
Description: EVGSAU 3366-029

Report To: Kayla Taylor  
901 West Wall  
Suite 100  
Midland, TX 79701

Entire Report Reviewed By:

Chris McCord  
Project Manager

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



Cp: Cover Page 1

Tc: Table of Contents 2

Ss: Sample Summary 3

Cn: Case Narrative 5

Sr: Sample Results 6

    ESW-2 (4') L1065066-01 6

    NSW-2 (4') L1065066-02 7

    SSW-2 (4') L1065066-03 8

    AH-2 (4') L1065066-04 9

    WSW-2 (4') L1065066-05 10

    SSW-2 (4' 1.5' OUT) L1065066-06 11

    WSW-2 (4' 1.5' OUT) L1065066-07 12

Qc: Quality Control Summary 13

    Total Solids by Method 2540 G-2011 13

    Wet Chemistry by Method 300.0 15

    Volatile Organic Compounds (GC) by Method 8015D/GRO 16

    Volatile Organic Compounds (GC/MS) by Method 8260B 17

    Semi-Volatile Organic Compounds (GC) by Method 8015 18

Gl: Glossary of Terms 19

Al: Accreditations & Locations 20

Sc: Sample Chain of Custody 21

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

ESW-2 (4') L1065066-01 Solid

Collected by Devin Dominguez  
Collected date/time 01/24/19 09:20  
Received date/time 01/29/19 08:00

1Cp

2Tc

3Ss

4Cn

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1230766 | 1        | 01/31/19 11:34        | 01/31/19 11:42     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1229855 | 1        | 01/30/19 10:00        | 01/30/19 20:17     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 01/30/19 16:22        | 02/03/19 16:18     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1230742 | 1        | 01/30/19 16:22        | 01/31/19 16:41     | ACG     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1230859 | 1        | 01/31/19 11:57        | 02/01/19 03:38     | DMW     |

NSW-2 (4') L1065066-02 Solid

Collected by Devin Dominguez  
Collected date/time 01/24/19 09:23  
Received date/time 01/29/19 08:00

5Sr

6Qc

7Gl

8Al

9Sc

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1230768 | 1        | 02/01/19 09:37        | 02/01/19 09:49     | KBC     |
| Wet Chemistry by Method 300.0                       | WG1229855 | 1        | 01/30/19 10:00        | 01/30/19 20:31     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 01/30/19 16:22        | 02/03/19 16:40     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1230742 | 1        | 01/30/19 16:22        | 01/31/19 17:01     | ACG     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1230859 | 1        | 01/31/19 11:57        | 02/01/19 03:52     | DMW     |

SSW-2 (4') L1065066-03 Solid

Collected by Devin Dominguez  
Collected date/time 01/24/19 09:25  
Received date/time 01/29/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1230768 | 1        | 02/01/19 09:37        | 02/01/19 09:49     | KBC     |
| Wet Chemistry by Method 300.0                       | WG1229855 | 5        | 01/30/19 10:00        | 01/30/19 20:46     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 01/30/19 16:22        | 02/03/19 17:02     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1230742 | 1        | 01/30/19 16:22        | 01/31/19 17:21     | ACG     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1230859 | 1        | 01/31/19 11:57        | 02/01/19 04:05     | DMW     |

AH-2 (4') L1065066-04 Solid

Collected by Devin Dominguez  
Collected date/time 01/24/19 09:28  
Received date/time 01/29/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1230768 | 1        | 02/01/19 09:37        | 02/01/19 09:49     | KBC     |
| Wet Chemistry by Method 300.0                       | WG1229855 | 1        | 01/30/19 10:00        | 01/30/19 21:00     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 01/30/19 16:22        | 02/03/19 17:24     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1230742 | 1        | 01/30/19 16:22        | 01/31/19 17:40     | ACG     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1230859 | 1        | 01/31/19 11:57        | 02/01/19 02:57     | DMW     |

WSW-2 (4') L1065066-05 Solid

Collected by Devin Dominguez  
Collected date/time 01/24/19 09:30  
Received date/time 01/29/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1230768 | 1        | 02/01/19 09:37        | 02/01/19 09:49     | KBC     |
| Wet Chemistry by Method 300.0                       | WG1229855 | 1        | 01/30/19 10:00        | 01/30/19 21:15     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 01/30/19 16:22        | 02/03/19 17:46     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1230742 | 1        | 01/30/19 16:22        | 01/31/19 18:00     | ACG     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1230859 | 1        | 01/31/19 11:57        | 02/01/19 04:19     | DMW     |

SSW-2 (4' 1.5' OUT) L1065066-06 Solid

Collected by Devin Dominguez  
Collected date/time 01/24/19 16:00  
Received date/time 01/29/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1230768 | 1        | 02/01/19 09:37        | 02/01/19 09:49     | KBC     |
| Wet Chemistry by Method 300.0                       | WG1229855 | 5        | 01/30/19 10:00        | 01/30/19 21:58     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 01/30/19 16:22        | 02/03/19 18:09     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1230742 | 1        | 01/30/19 16:22        | 01/31/19 18:20     | ACG     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1230859 | 1        | 01/31/19 11:57        | 02/01/19 04:33     | DMW     |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

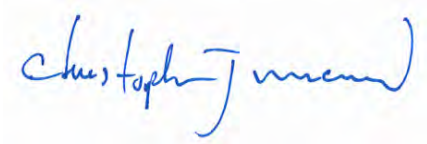
9Sc

WSW-2 (4' 1.5' OUT) L1065066-07 Solid

Collected by Devin Dominguez  
Collected date/time 01/25/19 11:50  
Received date/time 01/29/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1230768 | 1        | 02/01/19 09:37        | 02/01/19 09:49     | KBC     |
| Wet Chemistry by Method 300.0                       | WG1229855 | 5        | 01/30/19 10:00        | 01/30/19 22:12     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 01/30/19 16:22        | 02/03/19 18:31     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1230742 | 1        | 01/30/19 16:22        | 01/31/19 18:40     | ACG     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1230859 | 1        | 01/31/19 11:57        | 02/01/19 04:46     | DMW     |

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



Chris McCord  
Project Manager

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

Collected date/time: 01/24/19 09:20

L1065066

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 89.3   |           | 1        | 01/31/2019 11:42 | <a href="#">WG1230766</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Chloride | 103          |           | 0.890     | 10.0       | 11.2      | 1        | 01/30/2019 20:17 | <a href="#">WG1229855</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0243    | 0.100      | 0.112     | 1        | 02/03/2019 16:18 | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           |            | 77.0-120  |          | 02/03/2019 16:18 | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier          | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------------|--------------|--------------------|-----------|------------|-----------|----------|------------------|---------------------------|
|                            | mg/kg        |                    | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Benzene                    | U            | <a href="#">J3</a> | 0.000448  | 0.00100    | 0.00112   | 1        | 01/31/2019 16:41 | <a href="#">WG1230742</a> |
| Toluene                    | U            |                    | 0.00140   | 0.00500    | 0.00560   | 1        | 01/31/2019 16:41 | <a href="#">WG1230742</a> |
| Ethylbenzene               | U            |                    | 0.000593  | 0.00250    | 0.00280   | 1        | 01/31/2019 16:41 | <a href="#">WG1230742</a> |
| Total Xylenes              | U            |                    | 0.00535   | 0.00650    | 0.00728   | 1        | 01/31/2019 16:41 | <a href="#">WG1230742</a> |
| (S) Toluene-d8             | 130          |                    |           |            | 75.0-131  |          | 01/31/2019 16:41 | <a href="#">WG1230742</a> |
| (S) Dibromofluoromethane   | 84.4         |                    |           |            | 65.0-129  |          | 01/31/2019 16:41 | <a href="#">WG1230742</a> |
| (S) a,a,a-Trifluorotoluene | 85.2         |                    |           |            | 80.0-120  |          | 01/31/2019 16:41 | <a href="#">WG1230742</a> |
| (S) 4-Bromofluorobenzene   | 101          |                    |           |            | 67.0-138  |          | 01/31/2019 16:41 | <a href="#">WG1230742</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | 97.6         |           | 1.80      | 4.00       | 4.48      | 1        | 02/01/2019 03:38 | <a href="#">WG1230859</a> |
| C28-C40 Oil Range    | 99.7         |           | 0.307     | 4.00       | 4.48      | 1        | 02/01/2019 03:38 | <a href="#">WG1230859</a> |
| (S) o-Terphenyl      | 64.5         |           |           |            | 18.0-148  |          | 02/01/2019 03:38 | <a href="#">WG1230859</a> |

Collected date/time: 01/24/19 09:23

L1065066

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.3   |           | 1        | 02/01/2019 09:49     | <a href="#">WG1230768</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 377          |           | 0.853     | 10.0       | 10.7      | 1        | 01/30/2019 20:31     | <a href="#">WG1229855</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0233    | 0.100      | 0.107     | 1        | 02/03/2019 16:40     | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           |            | 77.0-120  |          | 02/03/2019 16:40     | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                    | U            |           | 0.000429  | 0.00100    | 0.00107   | 1        | 01/31/2019 17:01     | <a href="#">WG1230742</a> |
| Toluene                    | U            |           | 0.00134   | 0.00500    | 0.00536   | 1        | 01/31/2019 17:01     | <a href="#">WG1230742</a> |
| Ethylbenzene               | U            |           | 0.000568  | 0.00250    | 0.00268   | 1        | 01/31/2019 17:01     | <a href="#">WG1230742</a> |
| Total Xylenes              | U            |           | 0.00513   | 0.00650    | 0.00697   | 1        | 01/31/2019 17:01     | <a href="#">WG1230742</a> |
| (S) Toluene-d8             | 127          |           |           |            | 75.0-131  |          | 01/31/2019 17:01     | <a href="#">WG1230742</a> |
| (S) Dibromofluoromethane   | 88.0         |           |           |            | 65.0-129  |          | 01/31/2019 17:01     | <a href="#">WG1230742</a> |
| (S) a,a,a-Trifluorotoluene | 85.2         |           |           |            | 80.0-120  |          | 01/31/2019 17:01     | <a href="#">WG1230742</a> |
| (S) 4-Bromofluorobenzene   | 101          |           |           |            | 67.0-138  |          | 01/31/2019 17:01     | <a href="#">WG1230742</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 4.54         |           | 1.73      | 4.00       | 4.29      | 1        | 02/01/2019 03:52     | <a href="#">WG1230859</a> |
| C28-C40 Oil Range    | 3.32         | J         | 0.294     | 4.00       | 4.29      | 1        | 02/01/2019 03:52     | <a href="#">WG1230859</a> |
| (S) o-Terphenyl      | 109          |           |           |            | 18.0-148  |          | 02/01/2019 03:52     | <a href="#">WG1230859</a> |

Collected date/time: 01/24/19 09:25

L1065066

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 94.8   |           | 1        | 02/01/2019 09:49 | <a href="#">WG1230768</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Chloride | 1150         |           | 4.20      | 10.0       | 52.8      | 5        | 01/30/2019 20:46 | <a href="#">WG1229855</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0229    | 0.100      | 0.106     | 1        | 02/03/2019 17:02 | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.9         |           |           |            | 77.0-120  |          | 02/03/2019 17:02 | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                            | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Benzene                    | U            |           | 0.000422  | 0.00100    | 0.00106   | 1        | 01/31/2019 17:21 | <a href="#">WG1230742</a> |
| Toluene                    | U            |           | 0.00132   | 0.00500    | 0.00528   | 1        | 01/31/2019 17:21 | <a href="#">WG1230742</a> |
| Ethylbenzene               | U            |           | 0.000559  | 0.00250    | 0.00264   | 1        | 01/31/2019 17:21 | <a href="#">WG1230742</a> |
| Total Xylenes              | U            |           | 0.00504   | 0.00650    | 0.00686   | 1        | 01/31/2019 17:21 | <a href="#">WG1230742</a> |
| (S) Toluene-d8             | 128          |           |           |            | 75.0-131  |          | 01/31/2019 17:21 | <a href="#">WG1230742</a> |
| (S) Dibromofluoromethane   | 87.4         |           |           |            | 65.0-129  |          | 01/31/2019 17:21 | <a href="#">WG1230742</a> |
| (S) a,a,a-Trifluorotoluene | 84.2         |           |           |            | 80.0-120  |          | 01/31/2019 17:21 | <a href="#">WG1230742</a> |
| (S) 4-Bromofluorobenzene   | 104          |           |           |            | 67.0-138  |          | 01/31/2019 17:21 | <a href="#">WG1230742</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | 2.45         | J         | 1.70      | 4.00       | 4.22      | 1        | 02/01/2019 04:05 | <a href="#">WG1230859</a> |
| C28-C40 Oil Range    | 0.678        | J         | 0.289     | 4.00       | 4.22      | 1        | 02/01/2019 04:05 | <a href="#">WG1230859</a> |
| (S) o-Terphenyl      | 94.8         |           |           |            | 18.0-148  |          | 02/01/2019 04:05 | <a href="#">WG1230859</a> |

Collected date/time: 01/24/19 09:28

L1065066

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.0   |           | 1        | 02/01/2019 09:49     | <a href="#">WG1230768</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 926          |           | 0.864     | 10.0       | 10.9      | 1        | 01/30/2019 21:00     | <a href="#">WG1229855</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0236    | 0.100      | 0.109     | 1        | 02/03/2019 17:24     | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.5         |           |           |            | 77.0-120  |          | 02/03/2019 17:24     | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                    | U            |           | 0.000435  | 0.00100    | 0.00109   | 1        | 01/31/2019 17:40     | <a href="#">WG1230742</a> |
| Toluene                    | U            |           | 0.00136   | 0.00500    | 0.00543   | 1        | 01/31/2019 17:40     | <a href="#">WG1230742</a> |
| Ethylbenzene               | U            |           | 0.000576  | 0.00250    | 0.00272   | 1        | 01/31/2019 17:40     | <a href="#">WG1230742</a> |
| Total Xylenes              | U            |           | 0.00520   | 0.00650    | 0.00707   | 1        | 01/31/2019 17:40     | <a href="#">WG1230742</a> |
| (S) Toluene-d8             | 127          |           |           |            | 75.0-131  |          | 01/31/2019 17:40     | <a href="#">WG1230742</a> |
| (S) Dibromofluoromethane   | 90.0         |           |           |            | 65.0-129  |          | 01/31/2019 17:40     | <a href="#">WG1230742</a> |
| (S) a,a,a-Trifluorotoluene | 86.2         |           |           |            | 80.0-120  |          | 01/31/2019 17:40     | <a href="#">WG1230742</a> |
| (S) 4-Bromofluorobenzene   | 101          |           |           |            | 67.0-138  |          | 01/31/2019 17:40     | <a href="#">WG1230742</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.22         | J         | 1.75      | 4.00       | 4.35      | 1        | 02/01/2019 02:57     | <a href="#">WG1230859</a> |
| C28-C40 Oil Range    | 0.503        | J         | 0.298     | 4.00       | 4.35      | 1        | 02/01/2019 02:57     | <a href="#">WG1230859</a> |
| (S) o-Terphenyl      | 94.1         |           |           |            | 18.0-148  |          | 02/01/2019 02:57     | <a href="#">WG1230859</a> |

WSW-2 (4)  
Collected date/time: 01/24/19 09:30

L1065066

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 94.9   |           | 1        | 02/01/2019 09:49 | <a href="#">WG1230768</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Chloride | 690          |           | 0.838     | 10.0       | 10.5      | 1        | 01/30/2019 21:15 | <a href="#">WG1229855</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0229    | 0.100      | 0.105     | 1        | 02/03/2019 17:46 | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 100          |           |           |            | 77.0-120  |          | 02/03/2019 17:46 | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                            | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Benzene                    | U            |           | 0.000421  | 0.00100    | 0.00105   | 1        | 01/31/2019 18:00 | <a href="#">WG1230742</a> |
| Toluene                    | U            |           | 0.00132   | 0.00500    | 0.00527   | 1        | 01/31/2019 18:00 | <a href="#">WG1230742</a> |
| Ethylbenzene               | U            |           | 0.000558  | 0.00250    | 0.00263   | 1        | 01/31/2019 18:00 | <a href="#">WG1230742</a> |
| Total Xylenes              | U            |           | 0.00504   | 0.00650    | 0.00685   | 1        | 01/31/2019 18:00 | <a href="#">WG1230742</a> |
| (S) Toluene-d8             | 128          |           |           |            | 75.0-131  |          | 01/31/2019 18:00 | <a href="#">WG1230742</a> |
| (S) Dibromofluoromethane   | 86.0         |           |           |            | 65.0-129  |          | 01/31/2019 18:00 | <a href="#">WG1230742</a> |
| (S) a,a,a-Trifluorotoluene | 84.7         |           |           |            | 80.0-120  |          | 01/31/2019 18:00 | <a href="#">WG1230742</a> |
| (S) 4-Bromofluorobenzene   | 101          |           |           |            | 67.0-138  |          | 01/31/2019 18:00 | <a href="#">WG1230742</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | 51.1         |           | 1.70      | 4.00       | 4.21      | 1        | 02/01/2019 04:19 | <a href="#">WG1230859</a> |
| C28-C40 Oil Range    | 32.8         |           | 0.289     | 4.00       | 4.21      | 1        | 02/01/2019 04:19 | <a href="#">WG1230859</a> |
| (S) o-Terphenyl      | 65.4         |           |           |            | 18.0-148  |          | 02/01/2019 04:19 | <a href="#">WG1230859</a> |

### Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.7   |           | 1        | 02/01/2019 09:49     | <a href="#">WG1230768</a> |

1 Cp

2 Tc

### Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 2200         |           | 4.29      | 10.0       | 54.0      | 5        | 01/30/2019 21:58     | <a href="#">WG1229855</a> |

3 Ss

4 Cn

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0234    | 0.100      | 0.108     | 1        | 02/03/2019 18:09     | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           |            | 77.0-120  |          | 02/03/2019 18:09     | <a href="#">WG1231900</a> |

5 Sr

6 Qc

7 Gl

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                    | U            |           | 0.000432  | 0.00100    | 0.00108   | 1        | 01/31/2019 18:20     | <a href="#">WG1230742</a> |
| Toluene                    | U            |           | 0.00135   | 0.00500    | 0.00540   | 1        | 01/31/2019 18:20     | <a href="#">WG1230742</a> |
| Ethylbenzene               | U            |           | 0.000572  | 0.00250    | 0.00270   | 1        | 01/31/2019 18:20     | <a href="#">WG1230742</a> |
| Total Xylenes              | U            |           | 0.00516   | 0.00650    | 0.00702   | 1        | 01/31/2019 18:20     | <a href="#">WG1230742</a> |
| (S) Toluene-d8             | 128          |           |           |            | 75.0-131  |          | 01/31/2019 18:20     | <a href="#">WG1230742</a> |
| (S) Dibromofluoromethane   | 88.1         |           |           |            | 65.0-129  |          | 01/31/2019 18:20     | <a href="#">WG1230742</a> |
| (S) a,a,a-Trifluorotoluene | 84.8         |           |           |            | 80.0-120  |          | 01/31/2019 18:20     | <a href="#">WG1230742</a> |
| (S) 4-Bromofluorobenzene   | 108          |           |           |            | 67.0-138  |          | 01/31/2019 18:20     | <a href="#">WG1230742</a> |

8 Al

9 Sc

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.12         | J         | 1.74      | 4.00       | 4.32      | 1        | 02/01/2019 04:33     | <a href="#">WG1230859</a> |
| C28-C40 Oil Range    | 1.21         | J         | 0.296     | 4.00       | 4.32      | 1        | 02/01/2019 04:33     | <a href="#">WG1230859</a> |
| (S) o-Terphenyl      | 115          |           |           |            | 18.0-148  |          | 02/01/2019 04:33     | <a href="#">WG1230859</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 92.9   |           | 1        | 02/01/2019 09:49 | <a href="#">WG1230768</a> |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Chloride | 1070         |           | 4.28      | 10.0       | 53.8      | 5        | 01/30/2019 22:12 | <a href="#">WG1229855</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0234    | 0.100      | 0.108     | 1        | 02/03/2019 18:31 | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.8         |           |           |            | 77.0-120  |          | 02/03/2019 18:31 | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                            | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Benzene                    | U            |           | 0.000431  | 0.00100    | 0.00108   | 1        | 01/31/2019 18:40 | <a href="#">WG1230742</a> |
| Toluene                    | U            |           | 0.00135   | 0.00500    | 0.00538   | 1        | 01/31/2019 18:40 | <a href="#">WG1230742</a> |
| Ethylbenzene               | U            |           | 0.000570  | 0.00250    | 0.00269   | 1        | 01/31/2019 18:40 | <a href="#">WG1230742</a> |
| Total Xylenes              | U            |           | 0.00514   | 0.00650    | 0.00700   | 1        | 01/31/2019 18:40 | <a href="#">WG1230742</a> |
| (S) Toluene-d8             | 128          |           |           |            | 75.0-131  |          | 01/31/2019 18:40 | <a href="#">WG1230742</a> |
| (S) Dibromofluoromethane   | 88.1         |           |           |            | 65.0-129  |          | 01/31/2019 18:40 | <a href="#">WG1230742</a> |
| (S) a,a,a-Trifluorotoluene | 83.6         |           |           |            | 80.0-120  |          | 01/31/2019 18:40 | <a href="#">WG1230742</a> |
| (S) 4-Bromofluorobenzene   | 98.0         |           |           |            | 67.0-138  |          | 01/31/2019 18:40 | <a href="#">WG1230742</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | 3.38         | J         | 1.73      | 4.00       | 4.31      | 1        | 02/01/2019 04:46 | <a href="#">WG1230859</a> |
| C28-C40 Oil Range    | 1.06         | J         | 0.295     | 4.00       | 4.31      | 1        | 02/01/2019 04:46 | <a href="#">WG1230859</a> |
| (S) o-Terphenyl      | 122          |           |           |            | 18.0-148  |          | 02/01/2019 04:46 | <a href="#">WG1230859</a> |

Total Solids by Method 2540 G-2011

L1065066-01

Method Blank (MB)

(MB) R3380414-1 01/31/19 11:42

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

L1065023-14 Original Sample (OS) • Duplicate (DUP)

(OS) L1065023-14 01/31/19 11:42 • (DUP) R3380414-3 01/31/19 11:42

|              | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
| Analyte      | %               | %          |          | %       |               | %              |
| Total Solids | 79.0            | 78.3       | 1        | 0.882   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3380414-2 01/31/19 11:42

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1065066-02,03,04,05,06,07](#)

Method Blank (MB)

(MB) R3380933-1 02/01/19 09:49

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

L1065067-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1065067-03 02/01/19 09:49 • (DUP) R3380933-3 02/01/19 09:49

|              | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte      | %               | %          |          | %       |                      | %              |
| Total Solids | 83.3            | 82.2       | 1        | 1.40    |                      | 10             |

Laboratory Control Sample (LCS)

(LCS) R3380933-2 02/01/19 09:49

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 300.0

[L1065066-01,02,03,04,05,06,07](#)

Method Blank (MB)

(MB) R3380133-1 01/30/19 15:31

| Analyte  | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------|--------------------|--------------|-----------------|-----------------|
| Chloride | 3.85               | <u>J</u>     | 0.795           | 10.0            |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1064854-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1064854-03 01/30/19 19:48 • (DUP) R3380133-5 01/30/19 20:02

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 9.43                              | 7.08                         | 1        | 28.5         | <u>J P1</u>   | 20                     |

L1065075-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1065075-04 01/31/19 08:47 • (DUP) R3380133-7 01/31/19 09:01

| Analyte  | Original Result<br>mg/kg | DUP Result<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|--------------------------|---------------------|----------|--------------|---------------|------------------------|
| Chloride | 140                      | 151                 | 1        | 7.54         |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3380133-2 01/30/19 16:25

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 215                 | 108           | 90.0-110         |               |

L1062014-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1062014-05 01/30/19 23:10 • (MS) R3380133-3 01/30/19 17:09 • (MSD) R3380133-4 01/30/19 17:23

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 583                            | 7650                              | 7880                     | 7880                         | 39.4         | 39.6          | 1        | 80.0-120         | <u>E V</u>   | <u>E V</u>    | 0.0104   | 20              |

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

[L1065066-01,02,03,04,05,06,07](#)

Method Blank (MB)

(MB) R3380936-3 02/03/19 12:41

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

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

(LCS) R3380936-1 02/03/19 11:35 • (LCSD) R3380936-2 02/03/19 11:57

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 6.37                | 6.32                 | 116           | 115            | 72.0-127         |               |                | 0.650    | 20              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     |                      | 109           | 108            | 77.0-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1065066-01,02,03,04,05,06,07

Method Blank (MB)

(MB) R3380815-3 01/31/19 11:58

| Analyte                    | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                    | U                  |              | 0.000400        | 0.00100         |
| Ethylbenzene               | U                  |              | 0.000530        | 0.00250         |
| Toluene                    | U                  |              | 0.00125         | 0.00500         |
| Xylenes, Total             | U                  |              | 0.00478         | 0.00650         |
| (S) Toluene-d8             | 116                |              |                 | 75.0-131        |
| (S) Dibromofluoromethane   | 97.2               |              |                 | 65.0-129        |
| (S) a,a,a-Trifluorotoluene | 88.2               |              |                 | 80.0-120        |
| (S) 4-Bromofluorobenzene   | 98.5               |              |                 | 67.0-138        |

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

(LCS) R3380815-1 01/31/19 09:06 • (LCSD) R3380815-2 01/31/19 09:40

| Analyte                    | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Benzene                    | 0.125                 | 0.118               | 0.115                | 94.4          | 92.2           | 70.0-123         |               |                | 2.29     | 20              |
| Ethylbenzene               | 0.125                 | 0.100               | 0.100                | 80.3          | 80.1           | 74.0-126         |               |                | 0.265    | 20              |
| Toluene                    | 0.125                 | 0.148               | 0.150                | 119           | 120            | 75.0-121         |               |                | 0.922    | 20              |
| Xylenes, Total             | 0.375                 | 0.362               | 0.365                | 96.5          | 97.3           | 72.0-127         |               |                | 0.825    | 20              |
| (S) Toluene-d8             |                       |                     |                      | 101           | 102            | 75.0-131         |               |                |          |                 |
| (S) Dibromofluoromethane   |                       |                     |                      | 111           | 108            | 65.0-129         |               |                |          |                 |
| (S) a,a,a-Trifluorotoluene |                       |                     |                      | 91.5          | 92.0           | 80.0-120         |               |                |          |                 |
| (S) 4-Bromofluorobenzene   |                       |                     |                      | 108           | 108            | 67.0-138         |               |                |          |                 |

L1065066-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1065066-01 01/31/19 16:41 • (MS) R3380815-4 01/31/19 19:58 • (MSD) R3380815-5 01/31/19 20:18

| Analyte                    | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                    | 0.140                          | U                                 | 0.0583                   | 0.0876                       | 41.7         | 62.6          | 1        | 10.0-149         |              | J3            | 40.2     | 37              |
| Ethylbenzene               | 0.140                          | U                                 | 0.0698                   | 0.0919                       | 49.9         | 65.7          | 1        | 10.0-160         |              |               | 27.2     | 38              |
| Toluene                    | 0.140                          | U                                 | 0.114                    | 0.139                        | 81.8         | 99.4          | 1        | 10.0-156         |              |               | 19.4     | 38              |
| Xylenes, Total             | 0.420                          | U                                 | 0.297                    | 0.336                        | 70.7         | 80.0          | 1        | 10.0-160         |              |               | 12.4     | 38              |
| (S) Toluene-d8             |                                |                                   |                          |                              | 117          | 117           |          | 75.0-131         |              |               |          |                 |
| (S) Dibromofluoromethane   |                                |                                   |                          |                              | 87.4         | 88.8          |          | 65.0-129         |              |               |          |                 |
| (S) a,a,a-Trifluorotoluene |                                |                                   |                          |                              | 86.1         | 84.4          |          | 80.0-120         |              |               |          |                 |
| (S) 4-Bromofluorobenzene   |                                |                                   |                          |                              | 101          | 101           |          | 67.0-138         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3380484-1 02/01/19 02:15

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 120                |              |                 | 18.0-148        |

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

(LCS) R3380484-2 02/01/19 02:29 • (LCSD) R3380484-3 02/01/19 02:43

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| C10-C28 Diesel Range | 50.0                  | 44.6                | 44.3                 | 89.2          | 88.6           | 50.0-150         |               |                | 0.675    | 20              |
| (S) o-Terphenyl      |                       |                     |                      | 135           | 130            | 18.0-148         |               |                |          |                 |

L1065066-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1065066-04 02/01/19 02:57 • (MS) R3380484-4 02/01/19 03:10 • (MSD) R3380484-5 02/01/19 03:24

| Analyte              | Spike Amount (dry)<br>mg/kg | Original Result (dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result (dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|-----------------------------|--------------------------------|--------------------------|---------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 54.3                        | 2.22                           | 37.2                     | 41.7                      | 64.3         | 72.7          | 1        | 50.0-150         |              |               | 11.6     | 20              |
| (S) o-Terphenyl      |                             |                                |                          |                           | 95.5         | 112           |          | 18.0-148         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

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

Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (dry)                        | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                                                                                                                                                                                                                                                                   |
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MQL (dry)                    | Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MQL                          | Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SDL                          | Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SDL (dry)                    | Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.                                                                                                                                                                                                                                               |
| U                            | Not detected at the Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Unadj. MQL                   | Unadjusted Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.                                                                                    |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.                                                                                                                                                                                                                                                      |
| Original Sample              | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                                                                                                                                                                                                                                                                            |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.                                                                                                                                                                  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.                                                                                                                                                                          |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.                                                                                                                                                                                              |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.                                                              |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.                                                                                                                                                                                             |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.                                                                                                                                                                                                                                                                                                                                                            |

| Qualifier | Description                                                                                                                                 |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------|
| E         | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J         | The identification of the analyte is acceptable; the reported value is an estimate.                                                         |
| J3        | The associated batch QC was outside the established quality control range for precision.                                                    |
| P1        | RPD value not applicable for sample concentrations less than 5 times the reporting limit.                                                   |
| V         | The sample concentration is too high to evaluate accurate spike recoveries.                                                                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

|                         |             |
|-------------------------|-------------|
| Alabama                 | 40660       |
| Alaska                  | 17-026      |
| Arizona                 | AZ0612      |
| Arkansas                | 88-0469     |
| California              | 2932        |
| Colorado                | TN00003     |
| Connecticut             | PH-0197     |
| Florida                 | E87487      |
| Georgia                 | NELAP       |
| Georgia <sup>1</sup>    | 923         |
| Idaho                   | TN00003     |
| Illinois                | 200008      |
| Indiana                 | C-TN-01     |
| Iowa                    | 364         |
| Kansas                  | E-10277     |
| Kentucky <sup>1 6</sup> | 90010       |
| Kentucky <sup>2</sup>   | 16          |
| Louisiana               | AI30792     |
| Louisiana <sup>1</sup>  | LA180010    |
| Maine                   | TN0002      |
| Maryland                | 324         |
| Massachusetts           | M-TN003     |
| Michigan                | 9958        |
| Minnesota               | 047-999-395 |
| Mississippi             | TN00003     |
| Missouri                | 340         |
| Montana                 | CERT0086    |

|                             |                   |
|-----------------------------|-------------------|
| Nebraska                    | NE-OS-15-05       |
| Nevada                      | TN-03-2002-34     |
| New Hampshire               | 2975              |
| New Jersey-NELAP            | TN002             |
| New Mexico <sup>1</sup>     | n/a               |
| New York                    | 11742             |
| North Carolina              | Env375            |
| North Carolina <sup>1</sup> | DW21704           |
| North Carolina <sup>3</sup> | 41                |
| North Dakota                | R-140             |
| Ohio-VAP                    | CL0069            |
| Oklahoma                    | 9915              |
| Oregon                      | TN200002          |
| Pennsylvania                | 68-02979          |
| Rhode Island                | LA000356          |
| South Carolina              | 84004             |
| South Dakota                | n/a               |
| Tennessee <sup>1 4</sup>    | 2006              |
| Texas                       | T 104704245-17-14 |
| Texas <sup>5</sup>          | LAB0152           |
| Utah                        | TN00003           |
| Vermont                     | VT2006            |
| Virginia                    | 460132            |
| Washington                  | C847              |
| West Virginia               | 233               |
| Wisconsin                   | 9980939910        |
| Wyoming                     | A2LA              |

Third Party Federal Accreditations

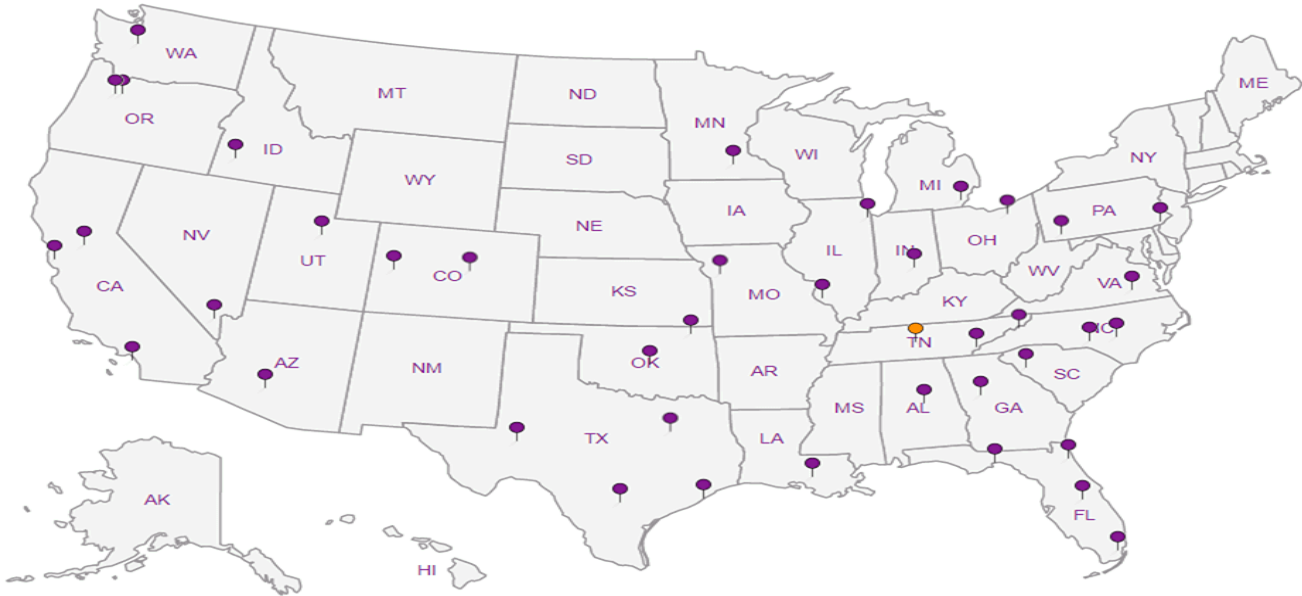
|                               |         |
|-------------------------------|---------|
| A2LA – ISO 17025              | 1461.01 |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 |
| Canada                        | 1461.01 |
| EPA-Crypto                    | TN00003 |

|                    |               |
|--------------------|---------------|
| AIHA-LAP,LLC EMLAP | 100789        |
| DOD                | 1461.01       |
| USDA               | P330-15-00234 |

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



### Analysis Request of Chain of Custody Record

Page 1 of 1



## Tetra Tech, Inc.

900 West Wyle Street, Ste 100  
Midland, Texas 79701  
Tel (432) 682-4550  
Fax (432) 682-3940

L1065 066

|                                   |                        |                    |                 |
|-----------------------------------|------------------------|--------------------|-----------------|
| Client Name:                      | ConocoPhillips         | Site Manager:      | Kayla Taylor    |
| Project Name:                     | EVGSAU 3366-029        |                    |                 |
| Project Location: (county, state) | Lea County, New Mexico | Project #:         | 212C-MD-01576   |
| Invoice to:                       |                        |                    |                 |
| Receiving Laboratory:             | Pace Analytical        | Sampler Signature: | Devin Dominguez |
| Comments:                         | COP TETRA              |                    |                 |

ANALYSIS REQUEST  
(Circle or Specify Method No.)[illegible][illegible]

|                                         |                                         |                                  |                                         |
|-----------------------------------------|-----------------------------------------|----------------------------------|-----------------------------------------|
| Relinquished by:<br><i>Kayla Taylor</i> | Date: <i>1-28-19</i> Time: <i>13:30</i> | Received by:<br><i>Kohlmeier</i> | Date: <i>1-28-19</i> Time: <i>13:30</i> |
| Relinquished by:                        | Date: Time:                             | Received by:                     | Date: Time:                             |
| Relinquished by:                        | Date: Time:                             | Received by:<br><i>K Willis</i>  | Date: <i>1/29/19</i> Time: <i>800</i>   |

LAB USE ONLY

## REMARKS:

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

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

B229

$$1 \cdot 0 = 0.975$$

RAD SCREEN: 0.3 mF/yr

Pace Analytical National Center for Testing & Innovation  
Cooler Receipt Form

|                                    |              |          |    |
|------------------------------------|--------------|----------|----|
| Client: COP TETRA                  | SDG#         | L1065066 |    |
| Cooler Received/Opened On: 1/29/19 | Temperature: |          |    |
| Received By: Kristin Willis        |              |          |    |
| Signature: KWillis                 |              |          |    |
|                                    |              |          |    |
| Receipt Check List                 | NP           | Yes      | No |
| COC Seal Present / Intact?         | /            |          |    |
| COC Signed / Accurate?             |              | /        |    |
| Bottles arrive intact?             |              | /        |    |
| Correct bottles used?              |              | /        |    |
| Sufficient volume sent?            |              | /        |    |
| If Applicable                      |              |          |    |
| VOA Zero headspace?                |              |          |    |
| Preservation Correct / Checked?    |              |          |    |



## ANALYTICAL REPORT

February 08, 2019

**ConocoPhillips - Tetra Tech**

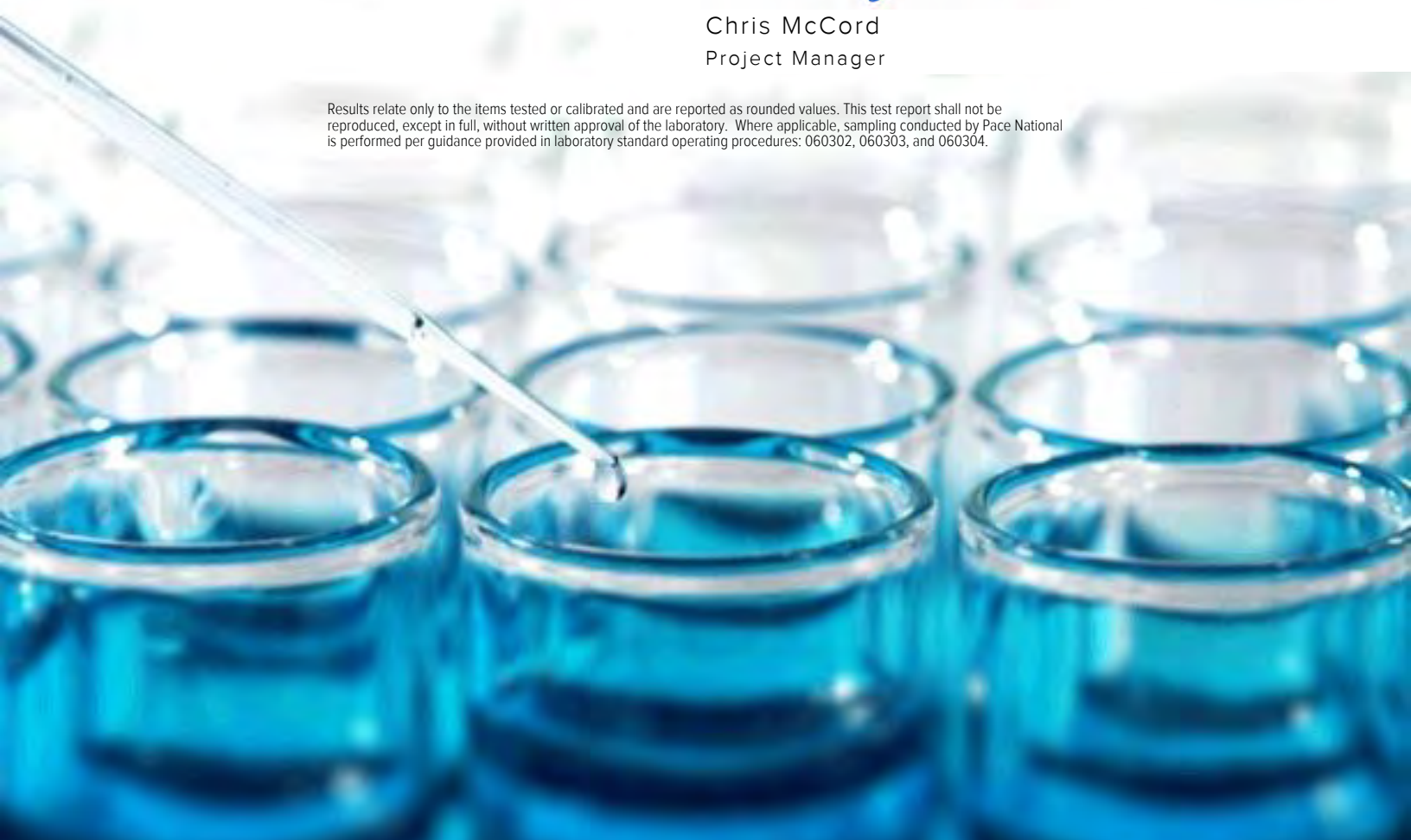
Sample Delivery Group: L1065691  
Samples Received: 01/31/2019  
Project Number: 212C-MD-01576  
Description: EVGSAU 3366-029

Report To: Kayla Taylor  
901 West Wall  
Suite 100  
Midland, TX 79701

Entire Report Reviewed By:

Chris McCord  
Project Manager

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



|                                                     |    |                           |
|-----------------------------------------------------|----|---------------------------|
| Cp: Cover Page                                      | 1  | <div><div>1</div>Cp</div> |
| Tc: Table of Contents                               | 2  |                           |
| Ss: Sample Summary                                  | 3  | <div><div>2</div>Tc</div> |
| Cn: Case Narrative                                  | 5  |                           |
| Sr: Sample Results                                  | 6  | <div><div>3</div>Ss</div> |
| ESW-1 (4') L1065691-01                              | 6  |                           |
| NSW-1 (4') L1065691-02                              | 7  | <div><div>4</div>Cn</div> |
| SSW-1 (4') L1065691-03                              | 8  |                           |
| AH-1 (4') L1065691-04                               | 9  | <div><div>5</div>Sr</div> |
| WSW-1 (4') L1065691-05                              | 10 |                           |
| WSW-3 (4') L1065691-06                              | 11 | <div><div>6</div>Qc</div> |
| ESW-3 (4') L1065691-07                              | 12 |                           |
| AH-3 (4') L1065691-08                               | 13 | <div><div>7</div>Gl</div> |
| SSW-2 (4' 3' OUT) L1065691-09                       | 14 | <div><div>8</div>Al</div> |
| Qc: Quality Control Summary                         | 15 | <div><div>9</div>Sc</div> |
| Total Solids by Method 2540 G-2011                  | 15 |                           |
| Wet Chemistry by Method 300.0                       | 16 |                           |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 17 |                           |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 20 |                           |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 21 |                           |
| Gl: Glossary of Terms                               | 22 |                           |
| Al: Accreditations & Locations                      | 23 |                           |
| Sc: Sample Chain of Custody                         | 24 |                           |

ESW-1 (4') L1065691-01 Solid

Collected by Devin Dominguez  
Collected date/time 01/28/19 15:50  
Received date/time 01/31/19 08:00

1Cp

2Tc

3Ss

4Cn

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1231410 | 1        | 02/04/19 13:11        | 02/04/19 13:23     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1231380 | 1        | 02/02/19 14:00        | 02/02/19 20:10     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 02/01/19 15:56        | 02/03/19 20:23     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1231846 | 1        | 02/01/19 15:56        | 02/03/19 00:27     | JBE     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1231397 | 1        | 02/01/19 19:55        | 02/02/19 05:12     | DMW     |

NSW-1 (4') L1065691-02 Solid

Collected by Devin Dominguez  
Collected date/time 01/28/19 15:53  
Received date/time 01/31/19 08:00

5Sr

6Qc

7Gl

8Al

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1231410 | 1        | 02/04/19 13:11        | 02/04/19 13:23     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1231380 | 1        | 02/02/19 14:00        | 02/02/19 20:25     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 02/01/19 15:56        | 02/03/19 20:45     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1231846 | 1        | 02/01/19 15:56        | 02/03/19 00:48     | JBE     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1231397 | 1        | 02/01/19 19:55        | 02/02/19 05:26     | DMW     |

SSW-1 (4') L1065691-03 Solid

Collected by Devin Dominguez  
Collected date/time 01/28/19 15:56  
Received date/time 01/31/19 08:00

9Sc

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1231410 | 1        | 02/04/19 13:11        | 02/04/19 13:23     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1231380 | 1        | 02/02/19 14:00        | 02/02/19 20:40     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 02/01/19 15:56        | 02/03/19 21:07     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1231846 | 1        | 02/01/19 15:56        | 02/03/19 01:08     | JBE     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1231397 | 1        | 02/01/19 19:55        | 02/02/19 05:40     | DMW     |

AH-1 (4') L1065691-04 Solid

Collected by Devin Dominguez  
Collected date/time 01/28/19 15:59  
Received date/time 01/31/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1231410 | 1        | 02/04/19 13:11        | 02/04/19 13:23     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1231380 | 1        | 02/02/19 14:00        | 02/02/19 20:56     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 02/01/19 15:56        | 02/03/19 21:29     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1231846 | 1        | 02/01/19 15:56        | 02/03/19 01:29     | JBE     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1231397 | 1        | 02/01/19 19:55        | 02/02/19 05:53     | DMW     |

WSW-1 (4') L1065691-05 Solid

Collected by Devin Dominguez  
Collected date/time 01/28/19 16:04  
Received date/time 01/31/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1231410 | 1        | 02/04/19 13:11        | 02/04/19 13:23     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1231380 | 1        | 02/02/19 14:00        | 02/02/19 21:42     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 02/01/19 15:56        | 02/03/19 21:52     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1231846 | 1        | 02/01/19 15:56        | 02/03/19 01:49     | JBE     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1231397 | 1        | 02/01/19 19:55        | 02/02/19 07:43     | DMW     |

WSW-3 (4') L1065691-06 Solid

Collected by Devin Dominguez  
Collected date/time 01/29/19 11:49  
Received date/time 01/31/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1231410 | 1        | 02/04/19 13:11        | 02/04/19 13:23     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1231380 | 1        | 02/02/19 14:00        | 02/02/19 21:57     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 02/01/19 15:56        | 02/03/19 22:14     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1231846 | 1        | 02/01/19 15:56        | 02/03/19 02:10     | JBE     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1231397 | 1        | 02/01/19 19:55        | 02/02/19 06:48     | DMW     |

1Cp

2Tc

3Ss

4Cn

ESW-3 (4') L1065691-07 Solid

Collected by Devin Dominguez  
Collected date/time 01/29/19 11:51  
Received date/time 01/31/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1231410 | 1        | 02/04/19 13:11        | 02/04/19 13:23     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1231380 | 1        | 02/02/19 14:00        | 02/02/19 22:13     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1231900 | 1        | 02/01/19 15:56        | 02/03/19 22:36     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1231846 | 1        | 02/01/19 15:56        | 02/03/19 02:30     | JBE     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1231397 | 1        | 02/01/19 19:55        | 02/02/19 07:02     | DMW     |

5Sr

6Qc

7Gl

8Al

AH-3 (4') L1065691-08 Solid

Collected by Devin Dominguez  
Collected date/time 01/29/19 11:53  
Received date/time 01/31/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1231410 | 1        | 02/04/19 13:11        | 02/04/19 13:23     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1231380 | 1        | 02/02/19 14:00        | 02/02/19 22:28     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1232503 | 1        | 02/05/19 11:49        | 02/05/19 12:08     | ACG     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1231846 | 1        | 02/01/19 15:56        | 02/03/19 02:51     | JBE     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1231397 | 1        | 02/01/19 19:55        | 02/02/19 07:16     | DMW     |

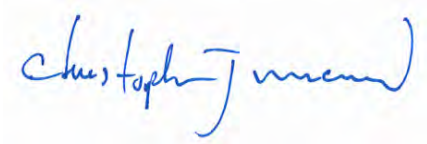
9Sc

SSW-2 (4' 3' OUT) L1065691-09 Solid

Collected by Devin Dominguez  
Collected date/time 01/29/19 14:30  
Received date/time 01/31/19 08:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|
| Total Solids by Method 2540 G-2011                  | WG1231410 | 1        | 02/04/19 13:11        | 02/04/19 13:23     | KDW     |
| Wet Chemistry by Method 300.0                       | WG1231380 | 5        | 02/02/19 14:00        | 02/02/19 22:44     | ST      |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1232168 | 1        | 02/01/19 15:56        | 02/04/19 15:19     | BMB     |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1231846 | 1        | 02/01/19 15:56        | 02/03/19 03:11     | JBE     |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1231397 | 1        | 02/01/19 19:55        | 02/02/19 07:30     | DMW     |

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



Chris McCord  
Project Manager

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

Collected date/time: 01/28/19 15:50

L1065691

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.4   |           | 1        | 02/04/2019 13:23     | <a href="#">WG1231410</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 133          |           | 0.880     | 10.0       | 11.1      | 1        | 02/02/2019 20:10     | <a href="#">WG1231380</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0240    | 0.100      | 0.111     | 1        | 02/03/2019 20:23     | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           |            | 77.0-120  |          | 02/03/2019 20:23     | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                    | U            |           | 0.000443  | 0.00100    | 0.00111   | 1        | 02/03/2019 00:27     | <a href="#">WG1231846</a> |
| Toluene                    | U            |           | 0.00138   | 0.00500    | 0.00553   | 1        | 02/03/2019 00:27     | <a href="#">WG1231846</a> |
| Ethylbenzene               | U            |           | 0.000586  | 0.00250    | 0.00277   | 1        | 02/03/2019 00:27     | <a href="#">WG1231846</a> |
| Total Xylenes              | U            |           | 0.00529   | 0.00650    | 0.00719   | 1        | 02/03/2019 00:27     | <a href="#">WG1231846</a> |
| (S) Toluene-d8             | 110          |           |           |            | 75.0-131  |          | 02/03/2019 00:27     | <a href="#">WG1231846</a> |
| (S) Dibromofluoromethane   | 97.5         |           |           |            | 65.0-129  |          | 02/03/2019 00:27     | <a href="#">WG1231846</a> |
| (S) a,a,a-Trifluorotoluene | 105          |           |           |            | 80.0-120  |          | 02/03/2019 00:27     | <a href="#">WG1231846</a> |
| (S) 4-Bromofluorobenzene   | 93.4         |           |           |            | 67.0-138  |          | 02/03/2019 00:27     | <a href="#">WG1231846</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.96         | J         | 1.78      | 4.00       | 4.43      | 1        | 02/02/2019 05:12     | <a href="#">WG1231397</a> |
| C28-C40 Oil Range    | U            |           | 0.303     | 4.00       | 4.43      | 1        | 02/02/2019 05:12     | <a href="#">WG1231397</a> |
| (S) o-Terphenyl      | 105          |           |           |            | 18.0-148  |          | 02/02/2019 05:12     | <a href="#">WG1231397</a> |

Collected date/time: 01/28/19 15:53

L1065691

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 95.3   |           | 1        | 02/04/2019 13:23 | <a href="#">WG1231410</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Chloride | 567          |           | 0.834     | 10.0       | 10.5      | 1        | 02/02/2019 20:25 | <a href="#">WG1231380</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0228    | 0.100      | 0.105     | 1        | 02/03/2019 20:45 | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 100          |           |           |            | 77.0-120  |          | 02/03/2019 20:45 | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                            | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Benzene                    | U            |           | 0.000420  | 0.00100    | 0.00105   | 1        | 02/03/2019 00:48 | <a href="#">WG1231846</a> |
| Toluene                    | U            |           | 0.00131   | 0.00500    | 0.00524   | 1        | 02/03/2019 00:48 | <a href="#">WG1231846</a> |
| Ethylbenzene               | U            |           | 0.000556  | 0.00250    | 0.00262   | 1        | 02/03/2019 00:48 | <a href="#">WG1231846</a> |
| Total Xylenes              | U            |           | 0.00501   | 0.00650    | 0.00682   | 1        | 02/03/2019 00:48 | <a href="#">WG1231846</a> |
| (S) Toluene-d8             | 110          |           |           |            | 75.0-131  |          | 02/03/2019 00:48 | <a href="#">WG1231846</a> |
| (S) Dibromofluoromethane   | 96.4         |           |           |            | 65.0-129  |          | 02/03/2019 00:48 | <a href="#">WG1231846</a> |
| (S) a,a,a-Trifluorotoluene | 103          |           |           |            | 80.0-120  |          | 02/03/2019 00:48 | <a href="#">WG1231846</a> |
| (S) 4-Bromofluorobenzene   | 99.5         |           |           |            | 67.0-138  |          | 02/03/2019 00:48 | <a href="#">WG1231846</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | 7.30         |           | 1.69      | 4.00       | 4.20      | 1        | 02/02/2019 05:26 | <a href="#">WG1231397</a> |
| C28-C40 Oil Range    | 6.65         |           | 0.287     | 4.00       | 4.20      | 1        | 02/02/2019 05:26 | <a href="#">WG1231397</a> |
| (S) o-Terphenyl      | 91.2         |           |           |            | 18.0-148  |          | 02/02/2019 05:26 | <a href="#">WG1231397</a> |

Collected date/time: 01/28/19 15:56

L1065691

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.5   |           | 1        | 02/04/2019 13:23     | <a href="#">WG1231410</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 173          |           | 0.860     | 10.0       | 10.8      | 1        | 02/02/2019 20:40     | <a href="#">WG1231380</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0235    | 0.100      | 0.108     | 1        | 02/03/2019 21:07     | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           |            | 77.0-120  |          | 02/03/2019 21:07     | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                    | U            |           | 0.000433  | 0.00100    | 0.00108   | 1        | 02/03/2019 01:08     | <a href="#">WG1231846</a> |
| Toluene                    | U            |           | 0.00135   | 0.00500    | 0.00541   | 1        | 02/03/2019 01:08     | <a href="#">WG1231846</a> |
| Ethylbenzene               | U            |           | 0.000573  | 0.00250    | 0.00270   | 1        | 02/03/2019 01:08     | <a href="#">WG1231846</a> |
| Total Xylenes              | U            |           | 0.00517   | 0.00650    | 0.00703   | 1        | 02/03/2019 01:08     | <a href="#">WG1231846</a> |
| (S) Toluene-d8             | 108          |           |           |            | 75.0-131  |          | 02/03/2019 01:08     | <a href="#">WG1231846</a> |
| (S) Dibromofluoromethane   | 92.4         |           |           |            | 65.0-129  |          | 02/03/2019 01:08     | <a href="#">WG1231846</a> |
| (S) a,a,a-Trifluorotoluene | 106          |           |           |            | 80.0-120  |          | 02/03/2019 01:08     | <a href="#">WG1231846</a> |
| (S) 4-Bromofluorobenzene   | 94.9         |           |           |            | 67.0-138  |          | 02/03/2019 01:08     | <a href="#">WG1231846</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.17         | J         | 1.74      | 4.00       | 4.33      | 1        | 02/02/2019 05:40     | <a href="#">WG1231397</a> |
| C28-C40 Oil Range    | 2.52         | J         | 0.296     | 4.00       | 4.33      | 1        | 02/02/2019 05:40     | <a href="#">WG1231397</a> |
| (S) o-Terphenyl      | 84.4         |           |           |            | 18.0-148  |          | 02/02/2019 05:40     | <a href="#">WG1231397</a> |

Collected date/time: 01/28/19 15:59

L1065691

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.5   |           | 1        | 02/04/2019 13:23     | <a href="#">WG1231410</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 80.5         |           | 0.851     | 10.0       | 10.7      | 1        | 02/02/2019 20:56     | <a href="#">WG1231380</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0232    | 0.100      | 0.107     | 1        | 02/03/2019 21:29     | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           |            | 77.0-120  |          | 02/03/2019 21:29     | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                    | U            |           | 0.000428  | 0.00100    | 0.00107   | 1        | 02/03/2019 01:29     | <a href="#">WG1231846</a> |
| Toluene                    | U            |           | 0.00134   | 0.00500    | 0.00535   | 1        | 02/03/2019 01:29     | <a href="#">WG1231846</a> |
| Ethylbenzene               | U            |           | 0.000567  | 0.00250    | 0.00267   | 1        | 02/03/2019 01:29     | <a href="#">WG1231846</a> |
| Total Xylenes              | U            |           | 0.00511   | 0.00650    | 0.00695   | 1        | 02/03/2019 01:29     | <a href="#">WG1231846</a> |
| (S) Toluene-d8             | 110          |           |           |            | 75.0-131  |          | 02/03/2019 01:29     | <a href="#">WG1231846</a> |
| (S) Dibromofluoromethane   | 91.5         |           |           |            | 65.0-129  |          | 02/03/2019 01:29     | <a href="#">WG1231846</a> |
| (S) a,a,a-Trifluorotoluene | 104          |           |           |            | 80.0-120  |          | 02/03/2019 01:29     | <a href="#">WG1231846</a> |
| (S) 4-Bromofluorobenzene   | 96.0         |           |           |            | 67.0-138  |          | 02/03/2019 01:29     | <a href="#">WG1231846</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.51         | J         | 1.72      | 4.00       | 4.28      | 1        | 02/02/2019 05:53     | <a href="#">WG1231397</a> |
| C28-C40 Oil Range    | U            |           | 0.293     | 4.00       | 4.28      | 1        | 02/02/2019 05:53     | <a href="#">WG1231397</a> |
| (S) o-Terphenyl      | 95.0         |           |           |            | 18.0-148  |          | 02/02/2019 05:53     | <a href="#">WG1231397</a> |

WSW-1147  
Collected date/time: 01/28/19 16:04

L1065691

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.1   |           | 1        | 02/04/2019 13:23     | <a href="#">WG1231410</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 466          |           | 0.854     | 10.0       | 10.7      | 1        | 02/02/2019 21:42     | <a href="#">WG1231380</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0233    | 0.100      | 0.107     | 1        | 02/03/2019 21:52     | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 100          |           |           |            | 77.0-120  |          | 02/03/2019 21:52     | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                    | U            |           | 0.000430  | 0.00100    | 0.00107   | 1        | 02/03/2019 01:49     | <a href="#">WG1231846</a> |
| Toluene                    | U            |           | 0.00134   | 0.00500    | 0.00537   | 1        | 02/03/2019 01:49     | <a href="#">WG1231846</a> |
| Ethylbenzene               | U            |           | 0.000569  | 0.00250    | 0.00269   | 1        | 02/03/2019 01:49     | <a href="#">WG1231846</a> |
| Total Xylenes              | U            |           | 0.00513   | 0.00650    | 0.00698   | 1        | 02/03/2019 01:49     | <a href="#">WG1231846</a> |
| (S) Toluene-d8             | 111          |           |           |            | 75.0-131  |          | 02/03/2019 01:49     | <a href="#">WG1231846</a> |
| (S) Dibromofluoromethane   | 92.4         |           |           |            | 65.0-129  |          | 02/03/2019 01:49     | <a href="#">WG1231846</a> |
| (S) a,a,a-Trifluorotoluene | 103          |           |           |            | 80.0-120  |          | 02/03/2019 01:49     | <a href="#">WG1231846</a> |
| (S) 4-Bromofluorobenzene   | 95.6         |           |           |            | 67.0-138  |          | 02/03/2019 01:49     | <a href="#">WG1231846</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 22.7         |           | 1.73      | 4.00       | 4.30      | 1        | 02/02/2019 07:43     | <a href="#">WG1231397</a> |
| C28-C40 Oil Range    | 20.9         |           | 0.294     | 4.00       | 4.30      | 1        | 02/02/2019 07:43     | <a href="#">WG1231397</a> |
| (S) o-Terphenyl      | 68.8         |           |           |            | 18.0-148  |          | 02/02/2019 07:43     | <a href="#">WG1231397</a> |

Collected date/time: 01/29/19 11:49

L1065691

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 91.8   |           | 1        | 02/04/2019 13:23     | <a href="#">WG1231410</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 122          |           | 0.866     | 10.0       | 10.9      | 1        | 02/02/2019 21:57     | <a href="#">WG1231380</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0236    | 0.100      | 0.109     | 1        | 02/03/2019 22:14     | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           |            | 77.0-120  |          | 02/03/2019 22:14     | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                    | U            |           | 0.000436  | 0.00100    | 0.00109   | 1        | 02/03/2019 02:10     | <a href="#">WG1231846</a> |
| Toluene                    | U            |           | 0.00136   | 0.00500    | 0.00545   | 1        | 02/03/2019 02:10     | <a href="#">WG1231846</a> |
| Ethylbenzene               | U            |           | 0.000577  | 0.00250    | 0.00272   | 1        | 02/03/2019 02:10     | <a href="#">WG1231846</a> |
| Total Xylenes              | U            |           | 0.00521   | 0.00650    | 0.00708   | 1        | 02/03/2019 02:10     | <a href="#">WG1231846</a> |
| (S) Toluene-d8             | 110          |           |           |            | 75.0-131  |          | 02/03/2019 02:10     | <a href="#">WG1231846</a> |
| (S) Dibromofluoromethane   | 90.1         |           |           |            | 65.0-129  |          | 02/03/2019 02:10     | <a href="#">WG1231846</a> |
| (S) a,a,a-Trifluorotoluene | 103          |           |           |            | 80.0-120  |          | 02/03/2019 02:10     | <a href="#">WG1231846</a> |
| (S) 4-Bromofluorobenzene   | 88.2         |           |           |            | 67.0-138  |          | 02/03/2019 02:10     | <a href="#">WG1231846</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.04         | J         | 1.75      | 4.00       | 4.36      | 1        | 02/02/2019 06:48     | <a href="#">WG1231397</a> |
| C28-C40 Oil Range    | U            |           | 0.299     | 4.00       | 4.36      | 1        | 02/02/2019 06:48     | <a href="#">WG1231397</a> |
| (S) o-Terphenyl      | 106          |           |           |            | 18.0-148  |          | 02/02/2019 06:48     | <a href="#">WG1231397</a> |

Collected date/time: 01/29/19 11:51

L1065691

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 92.7   |           | 1        | 02/04/2019 13:23 | <a href="#">WG1231410</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Chloride | 235          |           | 0.858     | 10.0       | 10.8      | 1        | 02/02/2019 22:13 | <a href="#">WG1231380</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0234    | 0.100      | 0.108     | 1        | 02/03/2019 22:36 | <a href="#">WG1231900</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 100          |           |           |            | 77.0-120  |          | 02/03/2019 22:36 | <a href="#">WG1231900</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                            | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Benzene                    | U            |           | 0.000431  | 0.00100    | 0.00108   | 1        | 02/03/2019 02:30 | <a href="#">WG1231846</a> |
| Toluene                    | U            |           | 0.00135   | 0.00500    | 0.00539   | 1        | 02/03/2019 02:30 | <a href="#">WG1231846</a> |
| Ethylbenzene               | U            |           | 0.000572  | 0.00250    | 0.00270   | 1        | 02/03/2019 02:30 | <a href="#">WG1231846</a> |
| Total Xylenes              | U            |           | 0.00515   | 0.00650    | 0.00701   | 1        | 02/03/2019 02:30 | <a href="#">WG1231846</a> |
| (S) Toluene-d8             | 114          |           |           |            | 75.0-131  |          | 02/03/2019 02:30 | <a href="#">WG1231846</a> |
| (S) Dibromofluoromethane   | 91.2         |           |           |            | 65.0-129  |          | 02/03/2019 02:30 | <a href="#">WG1231846</a> |
| (S) a,a,a-Trifluorotoluene | 106          |           |           |            | 80.0-120  |          | 02/03/2019 02:30 | <a href="#">WG1231846</a> |
| (S) 4-Bromofluorobenzene   | 98.4         |           |           |            | 67.0-138  |          | 02/03/2019 02:30 | <a href="#">WG1231846</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | 3.58         | J         | 1.74      | 4.00       | 4.31      | 1        | 02/02/2019 07:02 | <a href="#">WG1231397</a> |
| C28-C40 Oil Range    | 1.55         | J         | 0.295     | 4.00       | 4.31      | 1        | 02/02/2019 07:02 | <a href="#">WG1231397</a> |
| (S) o-Terphenyl      | 109          |           |           |            | 18.0-148  |          | 02/02/2019 07:02 | <a href="#">WG1231397</a> |

Collected date/time: 01/29/19 11:53

L1065691

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.4   |           | 1        | 02/04/2019 13:23     | <a href="#">WG1231410</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Chloride | 147          |           | 0.842     | 10.0       | 10.6      | 1        | 02/02/2019 22:28     | <a href="#">WG1231380</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0230    | 0.100      | 0.106     | 1        | 02/05/2019 12:08     | <a href="#">WG1232503</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.6         |           |           |            | 77.0-120  |          | 02/05/2019 12:08     | <a href="#">WG1232503</a> |

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

| Analyte                    | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| Benzene                    | U            |           | 0.000424  | 0.00100    | 0.00106   | 1        | 02/03/2019 02:51     | <a href="#">WG1231846</a> |
| Toluene                    | U            |           | 0.00132   | 0.00500    | 0.00529   | 1        | 02/03/2019 02:51     | <a href="#">WG1231846</a> |
| Ethylbenzene               | U            |           | 0.000561  | 0.00250    | 0.00265   | 1        | 02/03/2019 02:51     | <a href="#">WG1231846</a> |
| Total Xylenes              | U            |           | 0.00506   | 0.00650    | 0.00688   | 1        | 02/03/2019 02:51     | <a href="#">WG1231846</a> |
| (S) Toluene-d8             | 112          |           |           |            | 75.0-131  |          | 02/03/2019 02:51     | <a href="#">WG1231846</a> |
| (S) Dibromofluoromethane   | 97.1         |           |           |            | 65.0-129  |          | 02/03/2019 02:51     | <a href="#">WG1231846</a> |
| (S) a,a,a-Trifluorotoluene | 107          |           |           |            | 80.0-120  |          | 02/03/2019 02:51     | <a href="#">WG1231846</a> |
| (S) 4-Bromofluorobenzene   | 96.1         |           |           |            | 67.0-138  |          | 02/03/2019 02:51     | <a href="#">WG1231846</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.70      | 4.00       | 4.24      | 1        | 02/02/2019 07:16     | <a href="#">WG1231397</a> |
| C28-C40 Oil Range    | U            |           | 0.290     | 4.00       | 4.24      | 1        | 02/02/2019 07:16     | <a href="#">WG1231397</a> |
| (S) o-Terphenyl      | 118          |           |           |            | 18.0-148  |          | 02/02/2019 07:16     | <a href="#">WG1231397</a> |

Collected date/time: 01/29/19 14:30

L1065691

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 94.3   |           | 1        | 02/04/2019 13:23 | <a href="#">WG1231410</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Chloride | 1430         |           | 4.22      | 10.0       | 53.0      | 5        | 02/02/2019 22:44 | <a href="#">WG1231380</a> |

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

| Analyte                         | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0230    | 0.100      | 0.106     | 1        | 02/04/2019 15:19 | <a href="#">WG1232168</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104          |           |           |            | 77.0-120  |          | 02/04/2019 15:19 | <a href="#">WG1232168</a> |

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

| Analyte                    | Result (dry) | Qualifier          | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------------|--------------|--------------------|-----------|------------|-----------|----------|------------------|---------------------------|
|                            | mg/kg        |                    | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| Benzene                    | U            | <a href="#">J3</a> | 0.000424  | 0.00100    | 0.00106   | 1        | 02/03/2019 03:11 | <a href="#">WG1231846</a> |
| Toluene                    | U            | <a href="#">J3</a> | 0.00133   | 0.00500    | 0.00530   | 1        | 02/03/2019 03:11 | <a href="#">WG1231846</a> |
| Ethylbenzene               | U            | <a href="#">J3</a> | 0.000562  | 0.00250    | 0.00265   | 1        | 02/03/2019 03:11 | <a href="#">WG1231846</a> |
| Total Xylenes              | U            | <a href="#">J3</a> | 0.00507   | 0.00650    | 0.00689   | 1        | 02/03/2019 03:11 | <a href="#">WG1231846</a> |
| (S) Toluene-d8             | 108          |                    |           |            | 75.0-131  |          | 02/03/2019 03:11 | <a href="#">WG1231846</a> |
| (S) Dibromofluoromethane   | 93.6         |                    |           |            | 65.0-129  |          | 02/03/2019 03:11 | <a href="#">WG1231846</a> |
| (S) a,a,a-Trifluorotoluene | 102          |                    |           |            | 80.0-120  |          | 02/03/2019 03:11 | <a href="#">WG1231846</a> |
| (S) 4-Bromofluorobenzene   | 98.6         |                    |           |            | 67.0-138  |          | 02/03/2019 03:11 | <a href="#">WG1231846</a> |

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

| Analyte              | Result (dry) | Qualifier | SDL (dry) | Unadj. MQL | MQL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|------------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg      | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | U            |           | 1.71      | 4.00       | 4.24      | 1        | 02/02/2019 07:30 | <a href="#">WG1231397</a> |
| C28-C40 Oil Range    | U            |           | 0.290     | 4.00       | 4.24      | 1        | 02/02/2019 07:30 | <a href="#">WG1231397</a> |
| (S) o-Terphenyl      | 112          |           |           |            | 18.0-148  |          | 02/02/2019 07:30 | <a href="#">WG1231397</a> |

Total Solids by Method 2540 G-2011 [L1065691-01,02,03,04,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3381196-1 02/04/19 13:23

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

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

L1065691-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1065691-01 02/04/19 13:23 • (DUP) R3381196-3 02/04/19 13:23

|              | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte      | %               | %          |          | %       |                      | %              |
| Total Solids | 90.4            | 89.8       | 1        | 0.695   |                      | 10             |

<sup>7</sup> Gl

<sup>8</sup> Al

Laboratory Control Sample (LCS)

(LCS) R3381196-2 02/04/19 13:23

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

<sup>9</sup> Sc

Wet Chemistry by Method 300.0

[L1065691-01,02,03,04,05,06,07,08,09](#)

Method Blank (MB)

(MB) R3381191-1 02/02/19 15:30

|          | MB Result | MB Qualifier   | MB MDL | MB RDL |
|----------|-----------|----------------|--------|--------|
| Analyte  | mg/kg     |                | mg/kg  | mg/kg  |
| Chloride | 0.909     | <span>⬇</span> | 0.795  | 10.0   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1065677-34 Original Sample (OS) • Duplicate (DUP)

(OS) L1065677-34 02/02/19 16:19 • (DUP) R3381191-3 02/02/19 16:34

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 2050                  | 2030             | 5        | 0.897   |               | 20             |

L1065703-01 Original Sample (OS) • Duplicate (DUP)

(OS) L1065703-01 02/02/19 22:59 • (DUP) R3381191-6 02/02/19 23:15

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 12.1                  | 10.7             | 1        | 13.0    |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R3381191-2 02/02/19 15:45

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 212        | 106      | 90.0-110    |               |

L1065677-39 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1065677-39 02/02/19 17:51 • (MS) R3381191-4 02/02/19 18:37 • (MSD) R3381191-5 02/02/19 18:53

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier     | MSD Qualifier    | RPD  | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|------------------|------------------|------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |                  |                  | %    | %          |
| Chloride | 533                | 4590                  | 4830            | 4930             | 44.8    | 63.4     | 1        | 80.0-120    | <span>E V</span> | <span>E V</span> | 2.03 | 20         |

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

[L1065691-01,02,03,04,05,06,07](#)

Method Blank (MB)

(MB) R3380936-3 02/03/19 12:41

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

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

(LCS) R3380936-1 02/03/19 11:35 • (LCSD) R3380936-2 02/03/19 11:57

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 6.37                | 6.32                 | 116           | 115            | 72.0-127         |               |                | 0.650    | 20              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     |                      | 109           | 108            | 77.0-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO [L1065691-09](#)

Method Blank (MB)

(MB) R3381047-5 02/04/19 11:53

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

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

(LCS) R3381047-3 02/04/19 10:47 • (LCSD) R3381047-4 02/04/19 11:09

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.65                | 5.61                 | 103           | 102            | 72.0-127         |               |                | 0.658    | 20              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     |                      | 104           | 103            | 77.0-120         |               |                |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1065691-08](#)

Method Blank (MB)

(MB) R3381319-3 02/05/19 10:17

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 101                |              |                 | 77.0-120        |

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

(LCS) R3381319-1 02/05/19 09:15 • (LCSD) R3381319-2 02/05/19 09:35

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 6.14                | 5.78                 | 112           | 105            | 72.0-127         |               |                | 6.13     | 20              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     |                      | 119           | 118            | 77.0-120         |               |                |          |                 |

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

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

L1065691-01,02,03,04,05,06,07,08,09

Method Blank (MB)

(MB) R3381426-2 02/02/19 21:43

| Analyte                    | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                    | U                  |              | 0.000400        | 0.00100         |
| Ethylbenzene               | U                  |              | 0.000530        | 0.00250         |
| Toluene                    | U                  |              | 0.00125         | 0.00500         |
| Xylenes, Total             | U                  |              | 0.00478         | 0.00650         |
| (S) Toluene-d8             | 115                |              |                 | 75.0-131        |
| (S) Dibromofluoromethane   | 92.1               |              |                 | 65.0-129        |
| (S) a,a,a-Trifluorotoluene | 104                |              |                 | 80.0-120        |
| (S) 4-Bromofluorobenzene   | 94.5               |              |                 | 67.0-138        |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3381426-1 02/02/19 20:22

| Analyte                    | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                    | 0.125                 | 0.110               | 87.8          | 70.0-123         |               |
| Ethylbenzene               | 0.125                 | 0.120               | 96.2          | 74.0-126         |               |
| Toluene                    | 0.125                 | 0.126               | 101           | 75.0-121         |               |
| Xylenes, Total             | 0.375                 | 0.416               | 111           | 72.0-127         |               |
| (S) Toluene-d8             |                       |                     | 108           | 75.0-131         |               |
| (S) Dibromofluoromethane   |                       |                     | 109           | 65.0-129         |               |
| (S) a,a,a-Trifluorotoluene |                       |                     | 110           | 80.0-120         |               |
| (S) 4-Bromofluorobenzene   |                       |                     | 102           | 67.0-138         |               |

L1065691-09 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1065691-09 02/03/19 03:11 • (MS) R3381426-3 02/03/19 04:54 • (MSD) R3381426-4 02/03/19 05:15

| Analyte                    | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                    | 0.133                          | U                                 | 0.0827                   | 0.0371                       | 62.4         | 28.0          | 1        | 10.0-149         |              | J3            | 76.1     | 37              |
| Ethylbenzene               | 0.133                          | U                                 | 0.0909                   | 0.0367                       | 68.6         | 27.7          | 1        | 10.0-160         |              | J3            | 85.0     | 38              |
| Toluene                    | 0.133                          | U                                 | 0.0952                   | 0.0438                       | 71.8         | 33.0          | 1        | 10.0-156         |              | J3            | 74.0     | 38              |
| Xylenes, Total             | 0.398                          | U                                 | 0.317                    | 0.140                        | 79.7         | 35.3          | 1        | 10.0-160         |              | J3            | 77.2     | 38              |
| (S) Toluene-d8             |                                |                                   |                          |                              | 104          | 107           |          | 75.0-131         |              |               |          |                 |
| (S) Dibromofluoromethane   |                                |                                   |                          |                              | 93.3         | 96.3          |          | 65.0-129         |              |               |          |                 |
| (S) a,a,a-Trifluorotoluene |                                |                                   |                          |                              | 102          | 107           |          | 80.0-120         |              |               |          |                 |
| (S) 4-Bromofluorobenzene   |                                |                                   |                          |                              | 100          | 99.2          |          | 67.0-138         |              |               |          |                 |

Semi-Volatile Organic Compounds (GC) by Method 8015

L1065691-01,02,03,04,05,06,07,08,09

Method Blank (MB)

(MB) R3380776-1 02/01/19 23:56

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 136                |              |                 | 18.0-148        |

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

(LCS) R3380776-2 02/02/19 00:10 • (LCSD) R3380776-3 02/02/19 00:24

| Analyte                           | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCSD Result<br>mg/kg | LCS Rec.<br>% | LCSD Rec.<br>% | Rec. Limits<br>% | LCS Qualifier | LCSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------------|-----------------------|---------------------|----------------------|---------------|----------------|------------------|---------------|----------------|----------|-----------------|
| Extractable Petroleum Hydrocarbon | 50.0                  | 40.6                | 39.1                 | 81.2          | 78.2           | 50.0-150         |               |                | 3.76     | 20              |
| C10-C28 Diesel Range              | 50.0                  | 45.9                | 44.4                 | 91.8          | 88.8           | 50.0-150         |               |                | 3.32     | 20              |
| (S) o-Terphenyl                   |                       |                     |                      | 146           | 132            | 18.0-148         |               |                |          |                 |

L1065349-04 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1065349-04 02/02/19 04:31 • (MS) R3380776-4 02/02/19 04:45 • (MSD) R3380776-5 02/02/19 04:58

| Analyte                           | Spike Amount<br>mg/kg | Original Result<br>mg/kg | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|-----------------------------------|-----------------------|--------------------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Extractable Petroleum Hydrocarbon | 49.7                  | ND                       | 42.5               | 45.2                | 85.5         | 90.4          | 1        | 50.0-150         |              |               | 6.16     | 20              |
| C10-C28 Diesel Range              | 49.7                  | 9.11                     | 54.1               | 56.7                | 90.5         | 95.2          | 1        | 50.0-150         |              |               | 4.69     | 20              |
| (S) o-Terphenyl                   |                       |                          |                    |                     | 67.4         | 113           |          | 18.0-148         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

## Guide to Reading and Understanding Your Laboratory Report

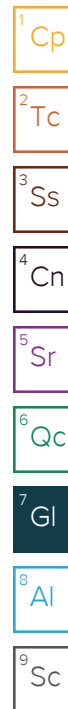
The information below is designed to better explain the various terms used in your report of analytical results from the Laboratory. This is not intended as a comprehensive explanation, and if you have additional questions please contact your project representative.

### Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (dry)                        | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                                                                                                                                                                                                                                                                   |
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MQL (dry)                    | Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| MQL                          | Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| ND                           | Not detected at the Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| SDL                          | Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| SDL (dry)                    | Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.                                                                                                                                                                                                                                               |
| U                            | Not detected at the Sample Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Unadj. MQL                   | Unadjusted Method Quantitation Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.                                                                                    |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.                                                                                                                                                                                                                                                      |
| Original Sample              | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                                                                                                                                                                                                                                                                            |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.                                                                                                                                                                  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.                                                                                                                                                                          |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.                                                                                                                                                                                              |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.                                                              |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.                                                                                                                                                                                             |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.                                                                                                                                                                                                                                                                                                                                                            |

### Qualifier Description

|    |                                                                                                                                             |
|----|---------------------------------------------------------------------------------------------------------------------------------------------|
| E  | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J  | The identification of the analyte is acceptable; the reported value is an estimate.                                                         |
| J3 | The associated batch QC was outside the established quality control range for precision.                                                    |
| V  | The sample concentration is too high to evaluate accurate spike recoveries.                                                                 |



Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

|                         |             |
|-------------------------|-------------|
| Alabama                 | 40660       |
| Alaska                  | 17-026      |
| Arizona                 | AZ0612      |
| Arkansas                | 88-0469     |
| California              | 2932        |
| Colorado                | TN00003     |
| Connecticut             | PH-0197     |
| Florida                 | E87487      |
| Georgia                 | NELAP       |
| Georgia <sup>1</sup>    | 923         |
| Idaho                   | TN00003     |
| Illinois                | 200008      |
| Indiana                 | C-TN-01     |
| Iowa                    | 364         |
| Kansas                  | E-10277     |
| Kentucky <sup>1 6</sup> | 90010       |
| Kentucky <sup>2</sup>   | 16          |
| Louisiana               | AI30792     |
| Louisiana <sup>1</sup>  | LA180010    |
| Maine                   | TN0002      |
| Maryland                | 324         |
| Massachusetts           | M-TN003     |
| Michigan                | 9958        |
| Minnesota               | 047-999-395 |
| Mississippi             | TN00003     |
| Missouri                | 340         |
| Montana                 | CERT0086    |

|                             |                   |
|-----------------------------|-------------------|
| Nebraska                    | NE-OS-15-05       |
| Nevada                      | TN-03-2002-34     |
| New Hampshire               | 2975              |
| New Jersey-NELAP            | TN002             |
| New Mexico <sup>1</sup>     | n/a               |
| New York                    | 11742             |
| North Carolina              | Env375            |
| North Carolina <sup>1</sup> | DW21704           |
| North Carolina <sup>3</sup> | 41                |
| North Dakota                | R-140             |
| Ohio-VAP                    | CL0069            |
| Oklahoma                    | 9915              |
| Oregon                      | TN200002          |
| Pennsylvania                | 68-02979          |
| Rhode Island                | LA000356          |
| South Carolina              | 84004             |
| South Dakota                | n/a               |
| Tennessee <sup>1 4</sup>    | 2006              |
| Texas                       | T 104704245-17-14 |
| Texas <sup>5</sup>          | LAB0152           |
| Utah                        | TN00003           |
| Vermont                     | VT2006            |
| Virginia                    | 460132            |
| Washington                  | C847              |
| West Virginia               | 233               |
| Wisconsin                   | 9980939910        |
| Wyoming                     | A2LA              |

Third Party Federal Accreditations

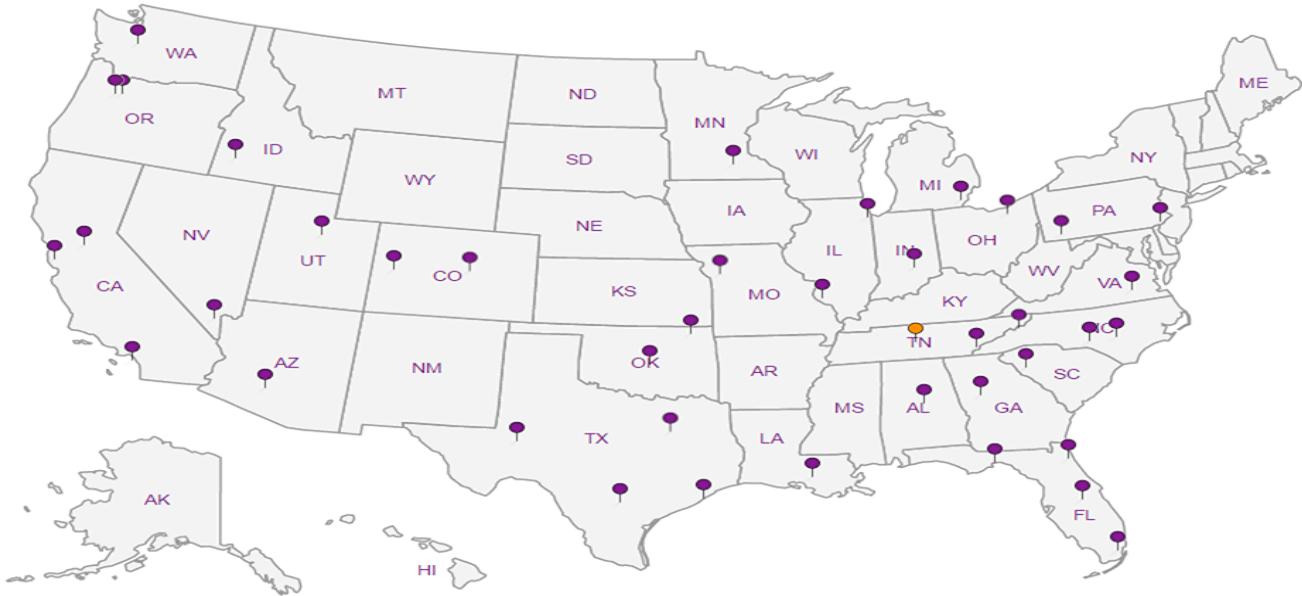
|                               |         |
|-------------------------------|---------|
| A2LA – ISO 17025              | 1461.01 |
| A2LA – ISO 17025 <sup>5</sup> | 1461.02 |
| Canada                        | 1461.01 |
| EPA-Crypto                    | TN00003 |

|                    |               |
|--------------------|---------------|
| AIHA-LAP,LLC EMLAP | 100789        |
| DOD                | 1461.01       |
| USDA               | P330-15-00234 |

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

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

Page 1 of 1

|                                   |                        |                    |                 |
|-----------------------------------|------------------------|--------------------|-----------------|
| Client Name:                      | ConocoPhillips         | Site Manager:      | Kayla Taylor    |
| Project Name:                     | EVGSAU 3366-029        |                    |                 |
| Project Location: (county, state) | Lea County, New Mexico | Project #:         | 212C-MD-01576   |
| Invoice to:                       |                        |                    |                 |
| Receiving Laboratory:             | Pace Analytical        | Sampler Signature: | Devin Dominguez |

Comments: COTTE TRA

ANALYSIS REQUEST  
(Circle or Specify Method No.)

| LAB #<br><br>(LAB USE ONLY)         | SAMPLE IDENTIFICATION | SAMPLING                                 |      | MATRIX                          |      | PRESERVATIVE METHOD                      |                  |     |      | # CONTAINERS | FILTERED (Y/N) |            |            |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                | Hold |                      |                                             |                      |           |  |  |
|-------------------------------------|-----------------------|------------------------------------------|------|---------------------------------|------|------------------------------------------|------------------|-----|------|--------------|----------------|------------|------------|-------------------------|-----------------------|-----------|--------------------------------------|-------------------------------------|----------------|---------------------|-----|------------------------|----------------------------|------------------|------|----------------|----------------|------|----------------------|---------------------------------------------|----------------------|-----------|--|--|
|                                     |                       | YEAR: 2019                               |      | WATER                           | SOIL | HCL                                      | HNO <sub>3</sub> | ICE | None |              |                | BTEX 8021B | BTEX 8260B | TPH TX1005 (Ext to C35) | TPH 8015M (GRO - DRO) | PAH 8270C | Total Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Metals Ag As Ba Cd Cr Pb Se Hg | TCLP Volatiles | TCLP Semi Volatiles | RCI | GC/MS Vol. 8260B / 624 | GC/MS Semi. Vol. 8270C/625 | PCB's 8082 / 608 | NORM | PLM (Asbestos) | Chloride 300.0 |      | Chloride Sulfate TDS | General Water Chemistry (see attached list) | Anion/Cation Balance | TPH 8015R |  |  |
|                                     |                       | DATE                                     | TIME |                                 |      |                                          |                  |     |      |              |                |            |            |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| L106541-01                          | ESW-1 (4')            | 1/28/2019                                | 1550 |                                 | X    |                                          |                  | X   |      | 1            | N              | X          | X          |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| 02                                  | NSW-1 (4')            | 1/28/2019                                | 1553 |                                 | X    |                                          |                  | X   |      | 1            | N              | X          | X          |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| 03                                  | SSW-1 (4')            | 1/28/2019                                | 1556 |                                 | X    |                                          |                  | X   |      | 1            | N              | X          | X          |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| 04                                  | AH-1 (4')             | 1/28/2019                                | 1559 |                                 | X    |                                          |                  | X   |      | 1            | N              | X          | X          |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| 05                                  | WSW-1 (4')            | 1/28/2019                                | 1604 |                                 | X    |                                          |                  | X   |      | 1            | N              | X          | X          |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| 06                                  | WSW-3 (4')            | 1/29/2019                                | 1149 |                                 | X    |                                          |                  | X   |      | 1            | N              | X          | X          |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| 07                                  | ESW-3 (4')            | 1/29/2019                                | 1151 |                                 | X    |                                          |                  | X   |      | 1            | N              | X          | X          |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| 08                                  | AH-3 (4')             | 1/29/2019                                | 1153 |                                 | X    |                                          |                  | X   |      | 1            | N              | X          | X          |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| 09                                  | SSW-2 (4' 3' out)     | 1/29/2019                                | 1430 |                                 | X    |                                          |                  | X   |      | 1            | N              | X          | X          |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |
| Relinquished by: <i>[Signature]</i> |                       | Date: <i>1/29/2019</i> Time: <i>1430</i> |      | Received by: <i>[Signature]</i> |      | Date: <i>1/29/2019</i> Time: <i>1430</i> |                  |     |      |              |                |            |            |                         |                       |           |                                      |                                     |                |                     |     |                        |                            |                  |      |                |                |      |                      |                                             |                      |           |  |  |

Relinquished by: Kayla Taylor Date: 1/30/19 Time: 1615

Received by: [Signature] Date: 1/30/19 Time: 1650

Relinquished by: [Signature] Date: [Blank] Time: [Blank]

Received by: [Signature] Date: [Blank] Time: [Blank]

Relinquished by: [Signature] Date: [Blank] Time: [Blank]

Received by: [Signature] Date: 01/31/19 Time: 08:00

## LAB USE ONLY

Sample Temperature

0.4°C = 0.5°F

## REMARKS:

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

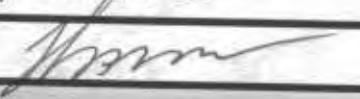
ORIGINAL COPY

F038

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

RAD SCREEN 31-514

Pace Analytical National Center for Testing & Innovation  
Cooler Receipt Form

|                                                                                              |          |              |           |  |
|----------------------------------------------------------------------------------------------|----------|--------------|-----------|--|
| Client:                                                                                      | CAPTETRA | SDG#         | 1.1065691 |  |
| Cooler Received/Opened On:                                                                   | 01/31/19 | Temperature: | 0.5       |  |
| Received By: Thomas Virden                                                                   |          |              |           |  |
| Signature:  |          |              |           |  |
| <b>Receipt Check List</b>                                                                    |          |              |           |  |
|                                                                                              | NP       | Yes          | No        |  |
| COC Seal Present / Intact?                                                                   | /        |              |           |  |
| COC Signed / Accurate?                                                                       |          | /            |           |  |
| Bottles arrive intact?                                                                       |          | /            |           |  |
| Correct bottles used?                                                                        |          | /            |           |  |
| Sufficient volume sent?                                                                      |          | /            |           |  |
| If Applicable                                                                                |          |              |           |  |
| VOA Zero headspace?                                                                          |          |              |           |  |
| Preservation Correct / Checked?                                                              |          |              |           |  |

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## **ATTACHMENT 4 – ADDITIONAL ASSESSMENT LABORATORY DATA**



## ANALYTICAL REPORT

June 08, 2020

**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1223377  
Samples Received: 05/29/2020  
Project Number: 212C-MD-01576  
Description: EVGSAU 3366-029

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

Entire Report Reviewed By:

Chris McCord  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



|                                                     |    |                 |
|-----------------------------------------------------|----|-----------------|
| Cp: Cover Page                                      | 1  | <sup>1</sup> Cp |
| Tc: Table of Contents                               | 2  |                 |
| Ss: Sample Summary                                  | 3  | <sup>2</sup> Tc |
| Cn: Case Narrative                                  | 4  |                 |
| Sr: Sample Results                                  | 5  | <sup>3</sup> Ss |
| BH-20-1S (0-1) L1223377-01                          | 5  |                 |
| BH-20-1S (2-3) L1223377-02                          | 6  | <sup>4</sup> Cn |
| BH-20-1S (4-5) L1223377-03                          | 7  | <sup>5</sup> Sr |
| Qc: Quality Control Summary                         | 8  |                 |
| Total Solids by Method 2540 G-2011                  | 8  | <sup>6</sup> Qc |
| Wet Chemistry by Method 300.0                       | 9  |                 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 10 | <sup>7</sup> Gl |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 11 | <sup>8</sup> Al |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 12 |                 |
| Gl: Glossary of Terms                               | 13 | <sup>9</sup> Sc |
| Al: Accreditations & Locations                      | 14 |                 |
| Sc: Sample Chain of Custody                         | 15 |                 |

BH-20-1S (0-1) L1223377-01 Solid

Collected by Joe Tyler  
Collected date/time 05/21/20 13:00  
Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486307 | 1        | 06/03/20 22:07        | 06/03/20 22:18     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1487467 | 1        | 05/31/20 12:00        | 06/01/20 02:39     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1484936 | 1        | 05/30/20 09:57        | 05/31/20 13:16     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1484818 | 1        | 05/30/20 09:57        | 05/30/20 23:57     | ADM     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1484968 | 1        | 06/02/20 07:56        | 06/05/20 15:12     | KME     | Mt. Juliet, TN |

1Cp

2Tc

3Ss

4Cn

BH-20-1S (2-3) L1223377-02 Solid

Collected by Joe Tyler  
Collected date/time 05/21/20 13:05  
Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486307 | 1        | 06/03/20 22:07        | 06/03/20 22:18     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1487467 | 1        | 05/31/20 12:00        | 06/01/20 03:04     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1484936 | 1        | 05/30/20 09:57        | 05/31/20 13:40     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1484818 | 1        | 05/30/20 09:57        | 05/31/20 00:16     | ADM     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1484968 | 1        | 06/02/20 07:56        | 06/05/20 15:39     | KME     | Mt. Juliet, TN |

5Sr

6Qc

7Gl

8Al

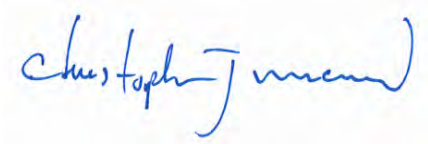
9Sc

BH-20-1S (4-5) L1223377-03 Solid

Collected by Joe Tyler  
Collected date/time 05/21/20 13:10  
Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486307 | 1        | 06/03/20 22:07        | 06/03/20 22:18     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1487467 | 10       | 05/31/20 12:00        | 06/01/20 03:29     | MCG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1484936 | 1        | 05/30/20 09:57        | 05/31/20 14:05     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1484818 | 1        | 05/30/20 09:57        | 05/31/20 00:36     | ADM     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1484968 | 1        | 06/02/20 07:56        | 06/03/20 05:45     | KME     | Mt. Juliet, TN |

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



Chris McCord  
Project Manager

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

Collected date/time: 05/21/20 13:00

L1223377

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.8   |           | 1        | 06/03/2020 22:18     | <a href="#">WG1486307</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 103                |           | 9.50            | 20.7            | 1        | 06/01/2020 02:39     | <a href="#">WG1487467</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0224          | 0.103           | 1        | 05/31/2020 13:16     | <a href="#">WG1484936</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.4               |           |                 | 77.0-120        |          | 05/31/2020 13:16     | <a href="#">WG1484936</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000482        | 0.00103         | 1        | 05/30/2020 23:57     | <a href="#">WG1484818</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00517         | 1        | 05/30/2020 23:57     | <a href="#">WG1484818</a> |
| Ethylbenzene              | U                  |           | 0.000761        | 0.00258         | 1        | 05/30/2020 23:57     | <a href="#">WG1484818</a> |
| Total Xylenes             | U                  |           | 0.000909        | 0.00671         | 1        | 05/30/2020 23:57     | <a href="#">WG1484818</a> |
| (S) Toluene-d8            | 112                |           |                 | 75.0-131        |          | 05/30/2020 23:57     | <a href="#">WG1484818</a> |
| (S) 4-Bromofluorobenzene  | 103                |           |                 | 67.0-138        |          | 05/30/2020 23:57     | <a href="#">WG1484818</a> |
| (S) 1,2-Dichloroethane-d4 | 89.3               |           |                 | 70.0-130        |          | 05/30/2020 23:57     | <a href="#">WG1484818</a> |

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

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 7.71               |           | 1.66            | 4.13            | 1        | 06/05/2020 15:12     | <a href="#">WG1484968</a> |
| C28-C40 Oil Range    | 18.8               | <u>B</u>  | 0.283           | 4.13            | 1        | 06/05/2020 15:12     | <a href="#">WG1484968</a> |
| (S) o-Terphenyl      | 103                |           |                 | 18.0-148        |          | 06/05/2020 15:12     | <a href="#">WG1484968</a> |

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

L1223377

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.5   |           | 1        | 06/03/2020 22:18     | <a href="#">WG1486307</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 306                |           | 9.74            | 21.2            | 1        | 06/01/2020 03:04     | <a href="#">WG1487467</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0230          | 0.106           | 1        | 05/31/2020 13:40     | <a href="#">WG1484936</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9               |           |                 | 77.0-120        |          | 05/31/2020 13:40     | <a href="#">WG1484936</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000494        | 0.00106         | 1        | 05/31/2020 00:16     | <a href="#">WG1484818</a> |
| Toluene                   | U                  |           | 0.00138         | 0.00529         | 1        | 05/31/2020 00:16     | <a href="#">WG1484818</a> |
| Ethylbenzene              | U                  |           | 0.000780        | 0.00265         | 1        | 05/31/2020 00:16     | <a href="#">WG1484818</a> |
| Total Xylenes             | U                  |           | 0.000931        | 0.00688         | 1        | 05/31/2020 00:16     | <a href="#">WG1484818</a> |
| (S) Toluene-d8            | 113                |           |                 | 75.0-131        |          | 05/31/2020 00:16     | <a href="#">WG1484818</a> |
| (S) 4-Bromofluorobenzene  | 104                |           |                 | 67.0-138        |          | 05/31/2020 00:16     | <a href="#">WG1484818</a> |
| (S) 1,2-Dichloroethane-d4 | 87.1               |           |                 | 70.0-130        |          | 05/31/2020 00:16     | <a href="#">WG1484818</a> |

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

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 23.1               |           | 1.70            | 4.23            | 1        | 06/05/2020 15:39     | <a href="#">WG1484968</a> |
| C28-C40 Oil Range    | 41.5               |           | 0.290           | 4.23            | 1        | 06/05/2020 15:39     | <a href="#">WG1484968</a> |
| (S) o-Terphenyl      | 94.1               |           |                 | 18.0-148        |          | 06/05/2020 15:39     | <a href="#">WG1484968</a> |

Collected date/time: 05/21/20 13:10

L1223377

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 92.7   |           | 1        | 06/03/2020 22:18     | <a href="#">WG1486307</a> |

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

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 3720         |           | 99.2      | 216       | 10       | 06/01/2020 03:29     | <a href="#">WG1487467</a> |

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

| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0234    | 0.108     | 1        | 05/31/2020 14:05     | <a href="#">WG1484936</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.7         |           |           | 77.0-120  |          | 05/31/2020 14:05     | <a href="#">WG1484936</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000504  | 0.00108   | 1        | 05/31/2020 00:36     | <a href="#">WG1484818</a> |
| Toluene                   | U            |           | 0.00140   | 0.00539   | 1        | 05/31/2020 00:36     | <a href="#">WG1484818</a> |
| Ethylbenzene              | U            |           | 0.000795  | 0.00270   | 1        | 05/31/2020 00:36     | <a href="#">WG1484818</a> |
| Total Xylenes             | U            |           | 0.000949  | 0.00701   | 1        | 05/31/2020 00:36     | <a href="#">WG1484818</a> |
| (S) Toluene-d8            | 112          |           |           | 75.0-131  |          | 05/31/2020 00:36     | <a href="#">WG1484818</a> |
| (S) 4-Bromofluorobenzene  | 105          |           |           | 67.0-138  |          | 05/31/2020 00:36     | <a href="#">WG1484818</a> |
| (S) 1,2-Dichloroethane-d4 | 89.3         |           |           | 70.0-130  |          | 05/31/2020 00:36     | <a href="#">WG1484818</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) | Qualifier           | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|---------------------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |                     | 1.74      | 4.32      | 1        | 06/03/2020 05:45     | <a href="#">WG1484968</a> |
| C28-C40 Oil Range    | 0.782        | <a href="#">B J</a> | 0.296     | 4.32      | 1        | 06/03/2020 05:45     | <a href="#">WG1484968</a> |
| (S) o-Terphenyl      | 63.4         |                     |           | 18.0-148  |          | 06/03/2020 05:45     | <a href="#">WG1484968</a> |

Total Solids by Method 2540 G-2011 [L1223377-01,02,03](#)

Method Blank (MB)

(MB) R3535059-1 06/03/20 22:18

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

L1223377-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1223377-03 06/03/20 22:18 • (DUP) R3535059-3 06/03/20 22:18

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 92.7            | 92.5       | 1        | 0.259   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3535059-2 06/03/20 22:18

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 300.0

[L1223377-01,02,03](#)

Method Blank (MB)

(MB) R3535239-1 05/31/20 15:12

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

L1223377-03 Original Sample (OS) • Duplicate (DUP)

(OS) L1223377-03 06/01/20 03:29 • (DUP) R3535239-3 06/01/20 03:54

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 3720                  | 3670             | 10       | 1.26    |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R3535239-2 05/31/20 15:36

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 204        | 102      | 90.0-110    |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO [L1223377-01,02,03](#)

Method Blank (MB)

(MB) R3534673-2 05/31/20 12:19

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 99.6               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534673-1 05/31/20 11:31

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 6.78                | 123           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 106           | 77.0-120         |               |

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3534673-3 05/31/20 22:43 • (MSD) R3534673-4 05/31/20 23:07

| Analyte                            | Spike Amount<br>mg/kg | Original Result | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|-----------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 102                   |                 | 72.7               | 78.8                | 71.3         | 77.3          | 25       | 10.0-151         |              |               | 8.05     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                 |                    |                     | 104          | 105           |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

L1223377-01,02,03

Method Blank (MB)

(MB) R3535126-2 05/30/20 20:50

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000467        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | U                  |              | 0.00130         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 109                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 105                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 92.8               |              |                 | 70.0-130        |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Laboratory Control Sample (LCS)

(LCS) R3535126-1 05/30/20 19:53

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.0998              | 79.8          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.123               | 98.4          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.110               | 88.0          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.365               | 97.3          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 108           | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 109           | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 100           | 70.0-130         |               |

L1223377-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223377-01 05/30/20 23:57 • (MS) R3535126-3 05/31/20 04:06 • (MSD) R3535126-4 05/31/20 04:26

| Analyte                   | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.129                          | U                                 | 0.120                    | 0.116                        | 92.8         | 89.6          | 1        | 10.0-149         |              |               | 3.51     | 37              |
| Ethylbenzene              | 0.129                          | U                                 | 0.151                    | 0.145                        | 117          | 112           | 1        | 10.0-160         |              |               | 4.20     | 38              |
| Toluene                   | 0.129                          | U                                 | 0.139                    | 0.132                        | 108          | 102           | 1        | 10.0-156         |              |               | 5.32     | 38              |
| Xylenes, Total            | 0.387                          | U                                 | 0.433                    | 0.415                        | 112          | 107           | 1        | 10.0-160         |              |               | 4.14     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 112          | 109           |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 101          | 104           |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 87.4         | 92.5          |          | 70.0-130         |              |               |          |                 |

Semi-Volatile Organic Compounds (GC) by Method 8015 [L1223377-01,02,03](#)

Method Blank (MB)

(MB) R3534522-1 06/03/20 04:25

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | 2.60               | J            | 0.274           | 4.00            |
| (S) o-Terphenyl      | 68.2               |              |                 | 18.0-148        |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Laboratory Control Sample (LCS)

(LCS) R3534522-2 06/03/20 04:41

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 34.6                | 69.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 59.0          | 18.0-148         |               |

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3534522-3 06/03/20 19:44 • (MSD) R3534522-4 06/03/20 20:00

| Analyte              | Spike Amount<br>mg/kg | Original Result | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|-----------------------|-----------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 49.4                  |                 | 165                | 146                 | 151          | 113           | 10       | 50.0-150         | J5           |               | 12.2     | 20              |
| (S) o-Terphenyl      |                       |                 |                    |                     | 130          | 123           |          | 18.0-148         |              |               |          |                 |

Guide to Reading and Understanding Your Laboratory Report

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

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (dry)                        | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                                                                                                                                                                                                                                                                   |
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MDL (dry)                    | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RDL (dry)                    | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.                                                                                                                                                                                                                                               |
| U                            | Not detected at the Reporting Limit (or MDL where applicable).                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.                                                                                    |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.                                                                                                                                                                                                                                                      |
| Original Sample              | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                                                                                                                                                                                                                                                                            |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.                                                                                                                                                                  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.                                                                                                                                                                          |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.                                                                                                                                                                                              |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.                                                              |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.                                                                                                                                                                                             |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.                                                                                                                                                                                                                                                                                                                                                            |

| Qualifier | Description                                                                                            |
|-----------|--------------------------------------------------------------------------------------------------------|
| B         | The same analyte is found in the associated blank.                                                     |
| J         | The identification of the analyte is acceptable; the reported value is an estimate.                    |
| J5        | The sample matrix interfered with the ability to make any accurate determination; spike value is high. |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7G

8Al

9Sc

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

|                         |             |                             |                  |
|-------------------------|-------------|-----------------------------|------------------|
| Alabama                 | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                  | 17-026      | Nevada                      | TN-03-2002-34    |
| Arizona                 | AZ0612      | New Hampshire               | 2975             |
| Arkansas                | 88-0469     | New Jersey–NELAP            | TN002            |
| California              | 2932        | New Mexico <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 923         | North Dakota                | R-140            |
| Idaho                   | TN00003     | Ohio–VAP                    | CL0069           |
| Illinois                | 200008      | Oklahoma                    | 9915             |
| Indiana                 | C-TN-01     | Oregon                      | TN2000002        |
| Iowa                    | 364         | Pennsylvania                | 68-02979         |
| Kansas                  | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1 6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | LAB0152          |
| Maryland                | 324         | Utah                        | TN00003          |
| Massachusetts           | M-TN003     | Vermont                     | VT2006           |
| Michigan                | 9958        | Virginia                    | 460132           |
| Minnesota               | 047-999-395 | Washington                  | C847             |
| Mississippi             | TN00003     | West Virginia               | 233              |
| Missouri                | 340         | Wisconsin                   | 9980939910       |
| Montana                 | CERT0086    | Wyoming                     | A2LA             |

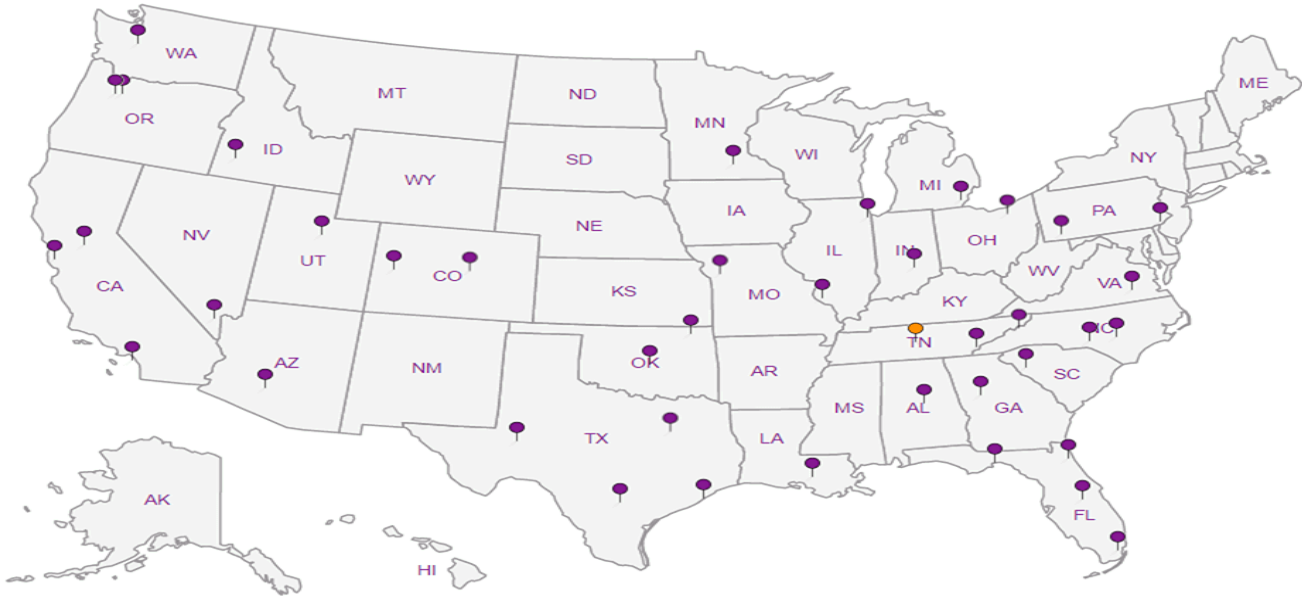
Third Party Federal Accreditations

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

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

ORIGINAL COPY

1790 3030 2914

Pace Analytical National Center for Testing & Innovation  
Cooler Receipt Form

|                                 |                                                                                    |                  |
|---------------------------------|------------------------------------------------------------------------------------|------------------|
| Client:                         | Captain                                                                            | 1223377          |
| Cooler Received/Opened On:      | 5 / 29 / 20                                                                        | Temperature: Amb |
| Received By:                    | Lakeacher Webster                                                                  |                  |
| Signature:                      |  |                  |
|                                 |                                                                                    |                  |
| Receipt Check List              | NP                                                                                 | Yes No           |
| COC Seal Present / Intact?      |                                                                                    | /                |
| COC Signed / Accurate?          |                                                                                    | /                |
| Bottles arrive intact?          |                                                                                    | /                |
| Correct bottles used?           |                                                                                    | /                |
| Sufficient volume sent?         |                                                                                    | /                |
| If Applicable                   |                                                                                    |                  |
| VOA Zero headspace?             |                                                                                    |                  |
| Preservation Correct / Checked? |                                                                                    |                  |



## ANALYTICAL REPORT

June 10, 2020

**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1223380  
Samples Received: 05/29/2020  
Project Number: 212C-MD-01576  
Description: EVGSAU 3366-029

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

Entire Report Reviewed By:

Chris McCord  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.



|                                                     |    |                 |
|-----------------------------------------------------|----|-----------------|
| Cp: Cover Page                                      | 1  | <sup>1</sup> Cp |
| Tc: Table of Contents                               | 2  |                 |
| Ss: Sample Summary                                  | 3  | <sup>2</sup> Tc |
| Cn: Case Narrative                                  | 5  |                 |
| Sr: Sample Results                                  | 6  | <sup>3</sup> Ss |
| BH-20-2S (0-1) L1223380-01                          | 6  |                 |
| BH-20-2S (2-3) L1223380-02                          | 7  | <sup>4</sup> Cn |
| BH-20-2S (4-5) L1223380-03                          | 8  | <sup>5</sup> Sr |
| BH-20-2S (6-7) L1223380-04                          | 9  |                 |
| BH-20-2S (9-10) L1223380-05                         | 10 | <sup>6</sup> Qc |
| BH-20-3S (0-1) L1223380-06                          | 11 |                 |
| BH-20-3S (2-3) L1223380-07                          | 12 | <sup>7</sup> Gl |
| BH-20-3S (4-5) L1223380-08                          | 13 | <sup>8</sup> Al |
| Qc: Quality Control Summary                         | 14 |                 |
| Total Solids by Method 2540 G-2011                  | 14 | <sup>9</sup> Sc |
| Wet Chemistry by Method 300.0                       | 15 |                 |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 16 |                 |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 17 |                 |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 18 |                 |
| Gl: Glossary of Terms                               | 20 |                 |
| Al: Accreditations & Locations                      | 21 |                 |
| Sc: Sample Chain of Custody                         | 22 |                 |

BH-20-2S (0-1) L1223380-01 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 13:30

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 20       | 06/04/20 21:20        | 06/05/20 03:58     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:49        | 06/01/20 17:59     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485369 | 1        | 05/30/20 10:49        | 06/01/20 15:37     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1485512 | 5        | 06/02/20 12:46        | 06/03/20 18:03     | FM      | Mt. Juliet, TN |

1Cp

2Tc

3Ss

4Cn

BH-20-2S (2-3) L1223380-02 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 13:35

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 10       | 06/04/20 21:20        | 06/05/20 04:13     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:49        | 06/01/20 18:48     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485369 | 1        | 05/30/20 10:49        | 06/01/20 15:57     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1485512 | 1        | 06/02/20 12:46        | 06/02/20 20:22     | KME     | Mt. Juliet, TN |

5Sr

6Qc

7Gl

8Al

BH-20-2S (4-5) L1223380-03 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 13:40

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 04:27     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:49        | 06/01/20 19:08     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485369 | 1        | 05/30/20 10:49        | 06/01/20 16:16     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1485512 | 1        | 06/02/20 12:46        | 06/02/20 20:35     | KME     | Mt. Juliet, TN |

9Sc

BH-20-2S (6-7) L1223380-04 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 13:50

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 10       | 06/04/20 21:20        | 06/05/20 04:42     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:49        | 06/01/20 19:29     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485369 | 1        | 05/30/20 10:49        | 06/01/20 16:35     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1488579 | 1        | 06/03/20 07:23        | 06/09/20 12:06     | JN      | Mt. Juliet, TN |

Collected by  
Joe Tyler

Collected date/time  
05/21/20 14:00

Received date/time  
05/29/20 09:00

BH-20-2S (9-10) L1223380-05 Solid

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 04:57     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:49        | 06/01/20 19:50     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485369 | 1        | 05/30/20 10:49        | 06/01/20 16:54     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1488579 | 1        | 06/03/20 07:23        | 06/09/20 12:20     | JN      | Mt. Juliet, TN |

BH-20-3S (0-1) L1223380-06 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 14:30

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 05:12     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:49        | 06/01/20 20:28     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485369 | 1        | 05/30/20 10:49        | 06/01/20 17:13     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1488579 | 1        | 06/03/20 07:23        | 06/09/20 13:00     | JN      | Mt. Juliet, TN |

1

Cp

2

Tc

3

Ss

4

Cn

BH-20-3S (2-3) L1223380-07 Solid

Collected by  
Joe Tyler

Collected date/time  
05/21/20 14:35

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 05:27     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:49        | 06/01/20 21:02     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485369 | 1        | 05/30/20 10:49        | 06/01/20 17:32     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1488579 | 1        | 06/03/20 07:23        | 06/09/20 12:47     | JN      | Mt. Juliet, TN |

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

BH-20-3S (4-5) L1223380-08 Solid

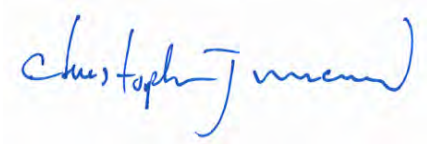
Collected by  
Joe Tyler

Collected date/time  
05/21/20 14:40

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486309 | 1        | 06/03/20 21:45        | 06/03/20 21:57     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1485960 | 1        | 06/04/20 21:20        | 06/05/20 06:12     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485339 | 1        | 05/30/20 10:49        | 06/01/20 21:22     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1485369 | 1        | 05/30/20 10:49        | 06/01/20 17:51     | JHH     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1488579 | 1        | 06/03/20 07:23        | 06/09/20 12:33     | JN      | Mt. Juliet, TN |

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



Chris McCord  
Project Manager

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

Collected date/time: 05/21/20 13:30

L1223380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 91.7   |           | 1        | 06/03/2020 21:57     | <a href="#">WG1486309</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 8480         |           | 201       | 436       | 20       | 06/05/2020 03:58     | <a href="#">WG1485960</a> |

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

| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0237    | 0.109     | 1        | 06/01/2020 17:59     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 90.5         |           |           | 77.0-120  |          | 06/01/2020 17:59     | <a href="#">WG1485339</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000509  | 0.00109   | 1        | 06/01/2020 15:37     | <a href="#">WG1485369</a> |
| Toluene                   | 0.00180      | J         | 0.00142   | 0.00545   | 1        | 06/01/2020 15:37     | <a href="#">WG1485369</a> |
| Ethylbenzene              | U            |           | 0.000804  | 0.00273   | 1        | 06/01/2020 15:37     | <a href="#">WG1485369</a> |
| Total Xylenes             | U            |           | 0.000960  | 0.00709   | 1        | 06/01/2020 15:37     | <a href="#">WG1485369</a> |
| (S) Toluene-d8            | 108          |           |           | 75.0-131  |          | 06/01/2020 15:37     | <a href="#">WG1485369</a> |
| (S) 4-Bromofluorobenzene  | 105          |           |           | 67.0-138  |          | 06/01/2020 15:37     | <a href="#">WG1485369</a> |
| (S) 1,2-Dichloroethane-d4 | 92.1         |           |           | 70.0-130  |          | 06/01/2020 15:37     | <a href="#">WG1485369</a> |

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

| Analyte              | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 323          |           | 8.78      | 21.8      | 5        | 06/03/2020 18:03     | <a href="#">WG1485512</a> |
| C28-C40 Oil Range    | 422          |           | 1.49      | 21.8      | 5        | 06/03/2020 18:03     | <a href="#">WG1485512</a> |
| (S) o-Terphenyl      | 62.6         |           |           | 18.0-148  |          | 06/03/2020 18:03     | <a href="#">WG1485512</a> |

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

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.9   |           | 1        | 06/03/2020 21:57     | <a href="#">WG1486309</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 2510               |           | 96.0            | 209             | 10       | 06/05/2020 04:13     | <a href="#">WG1485960</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0226          | 0.104           | 1        | 06/01/2020 18:48     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 103                |           |                 | 77.0-120        |          | 06/01/2020 18:48     | <a href="#">WG1485339</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000487        | 0.00104         | 1        | 06/01/2020 15:57     | <a href="#">WG1485369</a> |
| Toluene                   | U                  |           | 0.00136         | 0.00522         | 1        | 06/01/2020 15:57     | <a href="#">WG1485369</a> |
| Ethylbenzene              | U                  |           | 0.000769        | 0.00261         | 1        | 06/01/2020 15:57     | <a href="#">WG1485369</a> |
| Total Xylenes             | U                  |           | 0.000918        | 0.00678         | 1        | 06/01/2020 15:57     | <a href="#">WG1485369</a> |
| (S) Toluene-d8            | 110                |           |                 | 75.0-131        |          | 06/01/2020 15:57     | <a href="#">WG1485369</a> |
| (S) 4-Bromofluorobenzene  | 107                |           |                 | 67.0-138        |          | 06/01/2020 15:57     | <a href="#">WG1485369</a> |
| (S) 1,2-Dichloroethane-d4 | 90.8               |           |                 | 70.0-130        |          | 06/01/2020 15:57     | <a href="#">WG1485369</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U                  |                     | 1.68            | 4.17            | 1        | 06/02/2020 20:22     | <a href="#">WG1485512</a> |
| C28-C40 Oil Range    | 1.93               | <a href="#">B J</a> | 0.286           | 4.17            | 1        | 06/02/2020 20:22     | <a href="#">WG1485512</a> |
| (S) o-Terphenyl      | 65.7               |                     |                 | 18.0-148        |          | 06/02/2020 20:22     | <a href="#">WG1485512</a> |

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

Collected date/time: 05/21/20 13:40

L1223380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.0   |           | 1        | 06/03/2020 21:57     | <a href="#">WG1486309</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 227          |           | 9.49      | 20.6      | 1        | 06/05/2020 04:27     | <a href="#">WG1485960</a> |

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

| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0224    | 0.103     | 1        | 06/01/2020 19:08     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           | 77.0-120  |          | 06/01/2020 19:08     | <a href="#">WG1485339</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000482  | 0.00103   | 1        | 06/01/2020 16:16     | <a href="#">WG1485369</a> |
| Toluene                   | U            |           | 0.00134   | 0.00516   | 1        | 06/01/2020 16:16     | <a href="#">WG1485369</a> |
| Ethylbenzene              | U            |           | 0.000760  | 0.00258   | 1        | 06/01/2020 16:16     | <a href="#">WG1485369</a> |
| Total Xylenes             | U            |           | 0.000907  | 0.00670   | 1        | 06/01/2020 16:16     | <a href="#">WG1485369</a> |
| (S) Toluene-d8            | 110          |           |           | 75.0-131  |          | 06/01/2020 16:16     | <a href="#">WG1485369</a> |
| (S) 4-Bromofluorobenzene  | 106          |           |           | 67.0-138  |          | 06/01/2020 16:16     | <a href="#">WG1485369</a> |
| (S) 1,2-Dichloroethane-d4 | 89.5         |           |           | 70.0-130  |          | 06/01/2020 16:16     | <a href="#">WG1485369</a> |

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

| Analyte              | Result (dry) | Qualifier           | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|---------------------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |                     | 1.66      | 4.12      | 1        | 06/02/2020 20:35     | <a href="#">WG1485512</a> |
| C28-C40 Oil Range    | 1.55         | <a href="#">B J</a> | 0.283     | 4.12      | 1        | 06/02/2020 20:35     | <a href="#">WG1485512</a> |
| (S) o-Terphenyl      | 73.7         |                     |           | 18.0-148  |          | 06/02/2020 20:35     | <a href="#">WG1485512</a> |

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

Collected date/time: 05/21/20 13:50

L1223380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.0   |           | 1        | 06/03/2020 21:57     | <a href="#">WG1486309</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 3240         |           | 98.9      | 215       | 10       | 06/05/2020 04:42     | <a href="#">WG1485960</a> |

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

| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U            |           | 0.0233    | 0.108     | 1        | 06/01/2020 19:29     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101          |           |           | 77.0-120  |          | 06/01/2020 19:29     | <a href="#">WG1485339</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000502  | 0.00108   | 1        | 06/01/2020 16:35     | <a href="#">WG1485369</a> |
| Toluene                   | U            |           | 0.00140   | 0.00538   | 1        | 06/01/2020 16:35     | <a href="#">WG1485369</a> |
| Ethylbenzene              | U            |           | 0.000793  | 0.00269   | 1        | 06/01/2020 16:35     | <a href="#">WG1485369</a> |
| Total Xylenes             | U            |           | 0.000946  | 0.00699   | 1        | 06/01/2020 16:35     | <a href="#">WG1485369</a> |
| (S) Toluene-d8            | 110          |           |           | 75.0-131  |          | 06/01/2020 16:35     | <a href="#">WG1485369</a> |
| (S) 4-Bromofluorobenzene  | 106          |           |           | 67.0-138  |          | 06/01/2020 16:35     | <a href="#">WG1485369</a> |
| (S) 1,2-Dichloroethane-d4 | 90.4         |           |           | 70.0-130  |          | 06/01/2020 16:35     | <a href="#">WG1485369</a> |

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

| Analyte              | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U            |           | 1.73      | 4.30      | 1        | 06/09/2020 12:06     | <a href="#">WG1488579</a> |
| C28-C40 Oil Range    | U            |           | 0.295     | 4.30      | 1        | 06/09/2020 12:06     | <a href="#">WG1488579</a> |
| (S) o-Terphenyl      | 82.5         |           |           | 18.0-148  |          | 06/09/2020 12:06     | <a href="#">WG1488579</a> |

Collected date/time: 05/21/20 14:00

L1223380

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.6   |           | 1        | 06/03/2020 21:57     | <a href="#">WG1486309</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 327                |           | 9.24            | 20.1            | 1        | 06/05/2020 04:57     | <a href="#">WG1485960</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0218          | 0.100           | 1        | 06/01/2020 19:50     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104                |           |                 | 77.0-120        |          | 06/01/2020 19:50     | <a href="#">WG1485339</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000469        | 0.00100         | 1        | 06/01/2020 16:54     | <a href="#">WG1485369</a> |
| Toluene                   | U                  |           | 0.00131         | 0.00502         | 1        | 06/01/2020 16:54     | <a href="#">WG1485369</a> |
| Ethylbenzene              | U                  |           | 0.000740        | 0.00251         | 1        | 06/01/2020 16:54     | <a href="#">WG1485369</a> |
| Total Xylenes             | U                  |           | 0.000884        | 0.00653         | 1        | 06/01/2020 16:54     | <a href="#">WG1485369</a> |
| (S) Toluene-d8            | 110                |           |                 | 75.0-131        |          | 06/01/2020 16:54     | <a href="#">WG1485369</a> |
| (S) 4-Bromofluorobenzene  | 106                |           |                 | 67.0-138        |          | 06/01/2020 16:54     | <a href="#">WG1485369</a> |
| (S) 1,2-Dichloroethane-d4 | 91.4               |           |                 | 70.0-130        |          | 06/01/2020 16:54     | <a href="#">WG1485369</a> |

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

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.19               | J         | 1.62            | 4.02            | 1        | 06/09/2020 12:20     | <a href="#">WG1488579</a> |
| C28-C40 Oil Range    | 1.26               | J         | 0.275           | 4.02            | 1        | 06/09/2020 12:20     | <a href="#">WG1488579</a> |
| (S) o-Terphenyl      | 89.6               |           |                 | 18.0-148        |          | 06/09/2020 12:20     | <a href="#">WG1488579</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.4   |           | 1        | 06/03/2020 21:57     | <a href="#">WG1486309</a> |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 114                |           | 9.35            | 20.3            | 1        | 06/05/2020 05:12     | <a href="#">WG1485960</a> |

3 Ss

4 Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0220          | 0.102           | 1        | 06/01/2020 20:28     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101                |           |                 | 77.0-120        |          | 06/01/2020 20:28     | <a href="#">WG1485339</a> |

5 Sr

6 Qc

7 Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000474        | 0.00102         | 1        | 06/01/2020 17:13     | <a href="#">WG1485369</a> |
| Toluene                   | U                  |           | 0.00132         | 0.00508         | 1        | 06/01/2020 17:13     | <a href="#">WG1485369</a> |
| Ethylbenzene              | U                  |           | 0.000749        | 0.00254         | 1        | 06/01/2020 17:13     | <a href="#">WG1485369</a> |
| Total Xylenes             | U                  |           | 0.000894        | 0.00660         | 1        | 06/01/2020 17:13     | <a href="#">WG1485369</a> |
| (S) Toluene-d8            | 110                |           |                 | 75.0-131        |          | 06/01/2020 17:13     | <a href="#">WG1485369</a> |
| (S) 4-Bromofluorobenzene  | 104                |           |                 | 67.0-138        |          | 06/01/2020 17:13     | <a href="#">WG1485369</a> |
| (S) 1,2-Dichloroethane-d4 | 92.0               |           |                 | 70.0-130        |          | 06/01/2020 17:13     | <a href="#">WG1485369</a> |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 9.25               |           | 1.64            | 4.06            | 1        | 06/09/2020 13:00     | <a href="#">WG1488579</a> |
| C28-C40 Oil Range    | 25.7               |           | 0.278           | 4.06            | 1        | 06/09/2020 13:00     | <a href="#">WG1488579</a> |
| (S) o-Terphenyl      | 97.0               |           |                 | 18.0-148        |          | 06/09/2020 13:00     | <a href="#">WG1488579</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 98.1   |           | 1        | 06/03/2020 21:57 | <a href="#">WG1486309</a> |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| Chloride | 66.5         |           | 9.37      | 20.4      | 1        | 06/05/2020 05:27 | <a href="#">WG1485960</a> |

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

| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0221    | 0.102     | 1        | 06/01/2020 21:02 | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 103          |           |           | 77.0-120  |          | 06/01/2020 21:02 | <a href="#">WG1485339</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                           | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| Benzene                   | U            |           | 0.000476  | 0.00102   | 1        | 06/01/2020 17:32 | <a href="#">WG1485369</a> |
| Toluene                   | U            |           | 0.00132   | 0.00509   | 1        | 06/01/2020 17:32 | <a href="#">WG1485369</a> |
| Ethylbenzene              | U            |           | 0.000751  | 0.00255   | 1        | 06/01/2020 17:32 | <a href="#">WG1485369</a> |
| Total Xylenes             | U            |           | 0.000897  | 0.00662   | 1        | 06/01/2020 17:32 | <a href="#">WG1485369</a> |
| (S) Toluene-d8            | 109          |           |           | 75.0-131  |          | 06/01/2020 17:32 | <a href="#">WG1485369</a> |
| (S) 4-Bromofluorobenzene  | 104          |           |           | 67.0-138  |          | 06/01/2020 17:32 | <a href="#">WG1485369</a> |
| (S) 1,2-Dichloroethane-d4 | 91.7         |           |           | 70.0-130  |          | 06/01/2020 17:32 | <a href="#">WG1485369</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | 5.19         |           | 1.64      | 4.08      | 1        | 06/09/2020 12:47 | <a href="#">WG1488579</a> |
| C28-C40 Oil Range    | 8.32         |           | 0.279     | 4.08      | 1        | 06/09/2020 12:47 | <a href="#">WG1488579</a> |
| (S) o-Terphenyl      | 97.1         |           |           | 18.0-148  |          | 06/09/2020 12:47 | <a href="#">WG1488579</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.6   |           | 1        | 06/03/2020 21:57     | <a href="#">WG1486309</a> |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 24.0               |           | 9.43            | 20.5            | 1        | 06/05/2020 06:12     | <a href="#">WG1485960</a> |

3 Ss

4 Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0222          | 0.102           | 1        | 06/01/2020 21:22     | <a href="#">WG1485339</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102                |           |                 | 77.0-120        |          | 06/01/2020 21:22     | <a href="#">WG1485339</a> |

5 Sr

6 Qc

7 Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000479        | 0.00102         | 1        | 06/01/2020 17:51     | <a href="#">WG1485369</a> |
| Toluene                   | U                  |           | 0.00133         | 0.00512         | 1        | 06/01/2020 17:51     | <a href="#">WG1485369</a> |
| Ethylbenzene              | U                  |           | 0.000755        | 0.00256         | 1        | 06/01/2020 17:51     | <a href="#">WG1485369</a> |
| Total Xylenes             | U                  |           | 0.000902        | 0.00666         | 1        | 06/01/2020 17:51     | <a href="#">WG1485369</a> |
| (S) Toluene-d8            | 111                |           |                 | 75.0-131        |          | 06/01/2020 17:51     | <a href="#">WG1485369</a> |
| (S) 4-Bromofluorobenzene  | 104                |           |                 | 67.0-138        |          | 06/01/2020 17:51     | <a href="#">WG1485369</a> |
| (S) 1,2-Dichloroethane-d4 | 89.7               |           |                 | 70.0-130        |          | 06/01/2020 17:51     | <a href="#">WG1485369</a> |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U                  |           | 1.65            | 4.10            | 1        | 06/09/2020 12:33     | <a href="#">WG1488579</a> |
| C28-C40 Oil Range    | U                  |           | 0.281           | 4.10            | 1        | 06/09/2020 12:33     | <a href="#">WG1488579</a> |
| (S) o-Terphenyl      | 100                |           |                 | 18.0-148        |          | 06/09/2020 12:33     | <a href="#">WG1488579</a> |

Total Solids by Method 2540 G-2011 [L1223380-01,02,03,04,05,06,07,08](#)

Method Blank (MB)

(MB) R3535057-1 06/03/20 21:57

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

L1223380-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1223380-04 06/03/20 21:57 • (DUP) R3535057-3 06/03/20 21:57

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 93.0            | 93.9       | 1        | 0.947   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3535057-2 06/03/20 21:57

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 300.0

[L1223380-01,02,03,04,05,06,07,08](#)

Method Blank (MB)

(MB) R3535396-1 06/04/20 23:59

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

<sup>1</sup>Cp

<sup>2</sup>Tc

<sup>3</sup>Ss

<sup>4</sup>Cn

<sup>5</sup>Sr

<sup>6</sup>Qc

<sup>7</sup>Gl

<sup>8</sup>Al

<sup>9</sup>Sc

L1223379-04 Original Sample (OS) • Duplicate (DUP)

(OS) L1223379-04 06/05/20 01:28 • (DUP) R3535396-3 06/05/20 01:43

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 175                   | 174              | 1        | 0.587   |               | 20             |

L1223380-08 Original Sample (OS) • Duplicate (DUP)

(OS) L1223380-08 06/05/20 06:12 • (DUP) R3535396-6 06/05/20 06:27

|          | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|----------|-----------------------|------------------|----------|---------|---------------|----------------|
| Analyte  | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride | 24.0                  | 25.2             | 1        | 4.90    |               | 20             |

Laboratory Control Sample (LCS)

(LCS) R3535396-2 06/05/20 00:14

|          | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|----------|--------------|------------|----------|-------------|---------------|
| Analyte  | mg/kg        | mg/kg      | %        | %           |               |
| Chloride | 200          | 206        | 103      | 90.0-110    |               |

L1223379-08 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223379-08 06/05/20 03:13 • (MS) R3535396-4 06/05/20 03:28 • (MSD) R3535396-5 06/05/20 03:43

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | MS Qualifier | MSD Qualifier | RPD  | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|--------------|---------------|------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |              |               | %    | %          |
| Chloride | 523                | 278                   | 817             | 804              | 103     | 101      | 1        | 80.0-120    |              |               | 1.66 | 20         |

Method Blank (MB)

(MB) R3534748-2 06/01/20 12:27

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 104                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534748-1 06/01/20 11:46

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 4.46                | 81.1          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 95.4          | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC/MS) by Method 8260B [L1223380-01,02,03,04,05,06,07,08](#)

Method Blank (MB)

(MB) R3534492-2 06/01/20 11:09

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000467        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | U                  |              | 0.00130         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 110                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 105                |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 88.2               |              |                 | 70.0-130        |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS)

(LCS) R3534492-1 06/01/20 10:11

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.108               | 86.4          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.133               | 106           | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.121               | 96.8          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.394               | 105           | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 109           | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 107           | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 96.4          | 70.0-130         |               |

Method Blank (MB)

(MB) R3534383-1 06/02/20 19:30

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | 0.428              | J            | 0.274           | 4.00            |
| (S) o-Terphenyl      | 64.4               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3534383-2 06/02/20 19:43

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 36.6                | 73.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 84.1          | 18.0-148         |               |

L1223380-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223380-01 06/03/20 18:03 • (MS) R3534744-1 06/03/20 18:16 • (MSD) R3534744-2 06/03/20 18:30

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 53.7                           | 323                               | 387                      | 387                          | 120          | 120           | 5        | 50.0-150         |              |               | 0.000    | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 56.9         | 62.2          |          | 18.0-148         |              |               |          |                 |

1  
Cp

2  
Tc

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Ss

4  
Cn

5  
Sr

6  
Qc

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Gl

8  
Al

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Sc

Semi-Volatile Organic Compounds (GC) by Method 8015 [L1223380-04.05.06.07.08](#)

Method Blank (MB)

(MB) R3536640-1 06/09/20 11:12

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 95.0               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3536640-2 06/09/20 11:25

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 59.6                | 119           | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 97.4          | 18.0-148         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Guide to Reading and Understanding Your Laboratory Report

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

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (dry)                        | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                                                                                                                                                                                                                                                                   |
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MDL (dry)                    | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RDL (dry)                    | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.                                                                                                                                                                                                                                               |
| U                            | Not detected at the Reporting Limit (or MDL where applicable).                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.                                                                                    |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.                                                                                                                                                                                                                                                      |
| Original Sample              | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                                                                                                                                                                                                                                                                            |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.                                                                                                                                                                  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.                                                                                                                                                                          |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.                                                                                                                                                                                              |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.                                                              |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.                                                                                                                                                                                             |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.                                                                                                                                                                                                                                                                                                                                                            |

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7G

8Al

9Sc

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

|                         |             |                             |                  |
|-------------------------|-------------|-----------------------------|------------------|
| Alabama                 | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                  | 17-026      | Nevada                      | TN-03-2002-34    |
| Arizona                 | AZ0612      | New Hampshire               | 2975             |
| Arkansas                | 88-0469     | New Jersey–NELAP            | TN002            |
| California              | 2932        | New Mexico <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 923         | North Dakota                | R-140            |
| Idaho                   | TN00003     | Ohio–VAP                    | CL0069           |
| Illinois                | 200008      | Oklahoma                    | 9915             |
| Indiana                 | C-TN-01     | Oregon                      | TN2000002        |
| Iowa                    | 364         | Pennsylvania                | 68-02979         |
| Kansas                  | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1 6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | LAB0152          |
| Maryland                | 324         | Utah                        | TN00003          |
| Massachusetts           | M-TN003     | Vermont                     | VT2006           |
| Michigan                | 9958        | Virginia                    | 460132           |
| Minnesota               | 047-999-395 | Washington                  | C847             |
| Mississippi             | TN00003     | West Virginia               | 233              |
| Missouri                | 340         | Wisconsin                   | 9980939910       |
| Montana                 | CERT0086    | Wyoming                     | A2LA             |

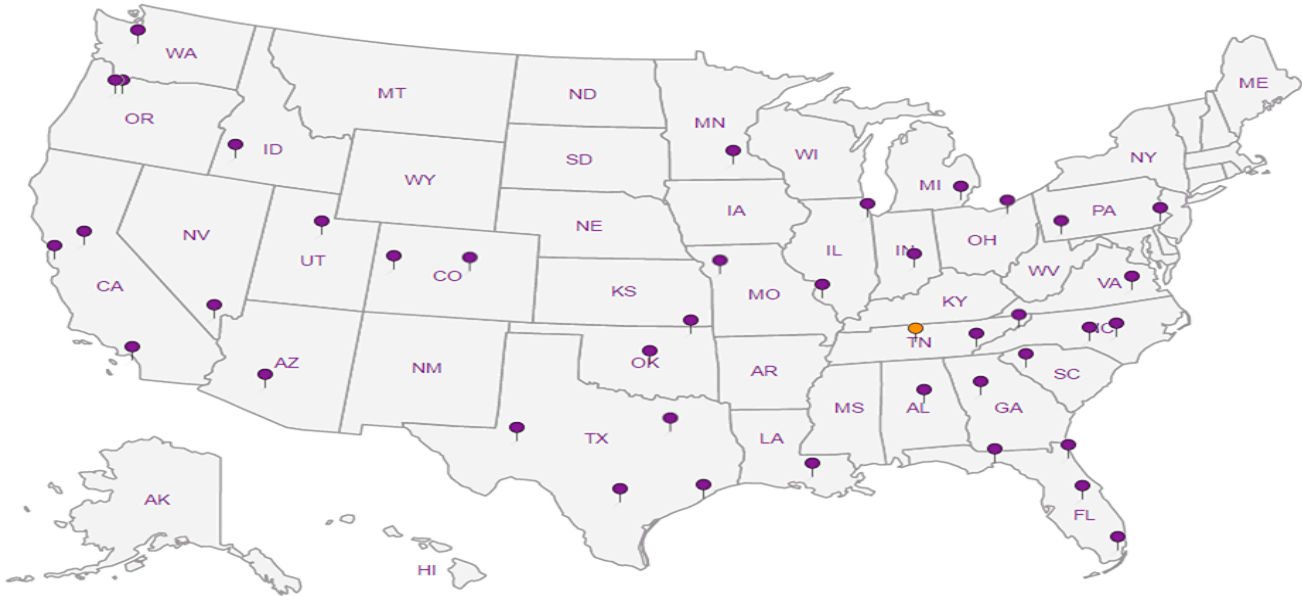
Third Party Federal Accreditations

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

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

Our Locations

Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



ORIGINAL COPY  
1790 3030 2916

Pace Analytical National Center for Testing & Innovation  
Cooler Receipt Form

|                                 |                   |              |     |
|---------------------------------|-------------------|--------------|-----|
| Client:                         | ColtetrA          | 122380       |     |
| Cooler Received/Opened On:      | 5 / 29 / 20       | Temperature: | Amb |
| Received By:                    | Lakeacher Webster |              |     |
| Signature:                      | <i>L. Webster</i> |              |     |
|                                 |                   |              |     |
| Receipt Check List              | NP                | Yes          | No  |
| COC Seal Present / Intact?      |                   | /            |     |
| COC Signed / Accurate?          |                   | /            |     |
| Bottles arrive intact?          |                   | /            |     |
| Correct bottles used?           |                   | /            |     |
| Sufficient volume sent?         |                   | /            |     |
| If Applicable                   |                   |              |     |
| VOA Zero headspace?             |                   |              |     |
| Preservation Correct / Checked? |                   |              |     |



## ANALYTICAL REPORT

June 10, 2020

**ConocoPhillips - Tetra Tech**

Sample Delivery Group: L1223523  
Samples Received: 05/29/2020  
Project Number: 212C-MD-01576  
Description: EVGSAU 3366-029  
Site: LEA COUNTY, NM  
Report To: Christian Llull  
901 West Wall  
Suite 100  
Midland, TX 79701

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

Entire Report Reviewed By:

Chris McCord  
Project Manager

Results relate only to the items tested or calibrated and are reported as rounded values. This test report shall not be reproduced, except in full, without written approval of the laboratory. Where applicable, sampling conducted by Pace Analytical National is performed per guidance provided in laboratory standard operating procedures ENV-SOP-MTJL-0067 and ENV-SOP-MTJL-0068. Where sampling conducted by the customer, results relate to the accuracy of the information provided, and as the samples are received.

|                                                     |    |                           |
|-----------------------------------------------------|----|---------------------------|
| Cp: Cover Page                                      | 1  | <div><div>1</div>Cp</div> |
| Tc: Table of Contents                               | 2  |                           |
| Ss: Sample Summary                                  | 3  | <div><div>2</div>Tc</div> |
| Cn: Case Narrative                                  | 8  |                           |
| Sr: Sample Results                                  | 9  | <div><div>3</div>Ss</div> |
| BH-20-1 (0-1) L1223523-01                           | 9  |                           |
| BH-20-1 (2-3) L1223523-02                           | 10 | <div><div>4</div>Cn</div> |
| BH-20-1 (4-5) L1223523-03                           | 11 |                           |
| BH-20-1 (6-7) L1223523-04                           | 12 | <div><div>5</div>Sr</div> |
| BH-20-1 (9-10) L1223523-05                          | 13 |                           |
| BH-20-1 (14-15) L1223523-06                         | 14 | <div><div>6</div>Qc</div> |
| BH-20-2 (0-1) L1223523-07                           | 15 |                           |
| BH-20-2 (2-3) L1223523-08                           | 16 | <div><div>7</div>Gl</div> |
| BH-20-2 (4-5) L1223523-09                           | 17 |                           |
| BH-20-2 (6-7) L1223523-10                           | 18 | <div><div>8</div>Al</div> |
| BH-20-2 (9-10) L1223523-11                          | 19 |                           |
| BH-20-2 (14-15) L1223523-12                         | 20 | <div><div>9</div>Sc</div> |
| BH-20-2 (19-20) L1223523-13                         | 21 |                           |
| BH-20-2 (24-25) L1223523-14                         | 22 |                           |
| BH-20-2 (29-30) L1223523-15                         | 23 |                           |
| BH-20-2 (39-40) L1223523-16                         | 24 |                           |
| BH-20-3 (0-1) L1223523-17                           | 25 |                           |
| BH-20-3 (2-3) L1223523-18                           | 26 |                           |
| BH-20-3 (4-5) L1223523-19                           | 27 |                           |
| BH-20-4 (0-1) L1223523-20                           | 28 |                           |
| BH-20-4 (2-3) L1223523-21                           | 29 |                           |
| BH-20-4 (4-5) L1223523-22                           | 30 |                           |
| BH-20-5 (0-1) L1223523-23                           | 31 |                           |
| BH-20-5 (2-3) L1223523-24                           | 32 |                           |
| BH-20-5 (4-5) L1223523-25                           | 33 |                           |
| Qc: Quality Control Summary                         | 34 |                           |
| Total Solids by Method 2540 G-2011                  | 34 |                           |
| Wet Chemistry by Method 300.0                       | 38 |                           |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | 40 |                           |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | 46 |                           |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | 50 |                           |
| Gl: Glossary of Terms                               | 53 |                           |
| Al: Accreditations & Locations                      | 54 |                           |
| Sc: Sample Chain of Custody                         | 55 |                           |

BH-20-1 (0-1) L1223523-01 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 14:00

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486415 | 1        | 06/04/20 14:11        | 06/04/20 14:19     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486008 | 1        | 06/03/20 09:34        | 06/03/20 17:53     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485898 | 1        | 06/02/20 08:39        | 06/03/20 09:18     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 00:25     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 23:47     | KME     | Mt. Juliet, TN |

1

Cp

2

Tc

3

Ss

4

Cn

BH-20-1 (2-3) L1223523-02 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 14:05

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486415 | 1        | 06/04/20 14:11        | 06/04/20 14:19     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486008 | 5        | 06/03/20 09:34        | 06/03/20 18:02     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485898 | 1        | 06/02/20 08:39        | 06/03/20 09:42     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 00:46     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 23:21     | KME     | Mt. Juliet, TN |

5

Sr

6

Qc

7

Gl

8

Al

9

Sc

BH-20-1 (4-5) L1223523-03 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 14:10

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486415 | 1        | 06/04/20 14:11        | 06/04/20 14:19     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486008 | 1        | 06/03/20 09:34        | 06/03/20 18:31     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1485898 | 1        | 06/02/20 08:39        | 06/03/20 10:06     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 01:06     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 20:42     | KME     | Mt. Juliet, TN |

BH-20-1 (6-7) L1223523-04 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 14:15

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486415 | 1        | 06/04/20 14:11        | 06/04/20 14:19     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486008 | 5        | 06/03/20 09:34        | 06/03/20 18:40     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486356 | 1        | 06/02/20 08:39        | 06/03/20 16:01     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 01:26     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 20:56     | KME     | Mt. Juliet, TN |

BH-20-1 (9-10) L1223523-05 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 14:20

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486419 | 1        | 06/04/20 18:06        | 06/04/20 18:21     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486008 | 1        | 06/03/20 09:34        | 06/03/20 18:50     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486356 | 1        | 06/02/20 08:39        | 06/03/20 16:25     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486515 | 1        | 06/02/20 08:39        | 06/03/20 15:21     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 21:09     | KME     | Mt. Juliet, TN |

BH-20-1 (14-15) L1223523-06 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 14:30

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486419 | 1        | 06/04/20 18:06        | 06/04/20 18:21     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486008 | 1        | 06/03/20 09:34        | 06/03/20 18:59     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486356 | 1        | 06/02/20 08:39        | 06/03/20 16:49     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 02:07     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 21:22     | KME     | Mt. Juliet, TN |

1Cp

2Tc

3Ss

4Cn

BH-20-2 (0-1) L1223523-07 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 14:50

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486419 | 1        | 06/04/20 18:06        | 06/04/20 18:21     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486008 | 5        | 06/03/20 09:34        | 06/03/20 19:18     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486356 | 1        | 06/02/20 08:39        | 06/03/20 17:12     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 02:28     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 5        | 06/03/20 05:20        | 06/04/20 00:26     | KME     | Mt. Juliet, TN |

5Sr

6Qc

7Gl

8Al

BH-20-2 (2-3) L1223523-08 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 15:00

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486419 | 1        | 06/04/20 18:06        | 06/04/20 18:21     | KBC     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 5        | 06/02/20 22:30        | 06/03/20 02:24     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486242 | 1        | 06/02/20 08:39        | 06/03/20 09:55     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 02:48     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 23:34     | KME     | Mt. Juliet, TN |

9Sc

BH-20-2 (4-5) L1223523-09 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 15:05

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 5        | 06/02/20 22:30        | 06/03/20 02:57     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486242 | 1        | 06/02/20 08:39        | 06/03/20 10:18     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 03:08     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 23:08     | KME     | Mt. Juliet, TN |

BH-20-2 (6-7) L1223523-10 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 15:10

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 5        | 06/02/20 22:30        | 06/03/20 03:14     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486242 | 1        | 06/02/20 08:39        | 06/03/20 10:40     | ADM     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 03:29     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 22:54     | KME     | Mt. Juliet, TN |

BH-20-2 (9-10) L1223523-11 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 15:20

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 5        | 06/02/20 22:30        | 06/03/20 03:31     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486242 | 1        | 06/02/20 08:39        | 06/03/20 11:02     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 03:49     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 21:35     | KME     | Mt. Juliet, TN |

1

Cp

2

Tc

3

Ss

4

Cn

BH-20-2 (14-15) L1223523-12 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 15:30

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 5        | 06/02/20 22:30        | 06/03/20 03:48     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486242 | 1        | 06/02/20 08:39        | 06/03/20 11:25     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 04:09     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 21:49     | KME     | Mt. Juliet, TN |

5

Sr

6

Qc

7

Gl

8

Al

BH-20-2 (19-20) L1223523-13 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 15:40

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 10       | 06/02/20 22:30        | 06/03/20 04:05     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486589 | 1        | 06/02/20 08:39        | 06/03/20 16:06     | ACG     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:39        | 06/03/20 04:30     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 22:02     | KME     | Mt. Juliet, TN |

9

Sc

BH-20-2 (24-25) L1223523-14 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 15:50

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 5        | 06/02/20 22:30        | 06/03/20 05:47     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486242 | 1        | 06/02/20 08:49        | 06/03/20 12:10     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:49        | 06/03/20 04:50     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 22:15     | KME     | Mt. Juliet, TN |

BH-20-2 (29-30) L1223523-15 Solid

Collected by  
Joe Tyler

Collected date/time  
05/20/20 16:10

Received date/time  
05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 10       | 06/02/20 22:30        | 06/03/20 06:03     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486242 | 1        | 06/02/20 08:49        | 06/03/20 12:32     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:49        | 06/03/20 05:10     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 22:28     | KME     | Mt. Juliet, TN |

BH-20-2 (39-40) L1223523-16 Solid

Collected by Joe Tyler  
Collected date/time 05/20/20 16:30  
Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30        | 06/03/20 06:20     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486242 | 1        | 06/02/20 08:49        | 06/03/20 12:54     | DWR     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:49        | 06/03/20 05:31     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486068 | 1        | 06/03/20 05:20        | 06/03/20 22:41     | KME     | Mt. Juliet, TN |

1Cp

2Tc

3Ss

4Cn

BH-20-3 (0-1) L1223523-17 Solid

Collected by Joe Tyler  
Collected date/time 05/21/20 10:00  
Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30        | 06/03/20 06:37     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486611 | 1        | 06/02/20 08:49        | 06/04/20 09:57     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:49        | 06/03/20 05:51     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486508 | 1        | 06/03/20 19:01        | 06/08/20 02:30     | JN      | Mt. Juliet, TN |

5Sr

6Qc

7Gl

8Al

BH-20-3 (2-3) L1223523-18 Solid

Collected by Joe Tyler  
Collected date/time 05/21/20 10:05  
Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486420 | 1        | 06/04/20 17:43        | 06/04/20 18:01     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30        | 06/03/20 06:54     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486611 | 1        | 06/02/20 08:49        | 06/04/20 10:21     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:49        | 06/03/20 06:11     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486508 | 1        | 06/03/20 19:01        | 06/08/20 22:24     | DMG     | Mt. Juliet, TN |

9Sc

BH-20-3 (4-5) L1223523-19 Solid

Collected by Joe Tyler  
Collected date/time 05/21/20 10:10  
Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486421 | 1        | 06/04/20 17:24        | 06/04/20 17:36     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30        | 06/03/20 07:11     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486611 | 1        | 06/02/20 08:49        | 06/04/20 10:45     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:49        | 06/03/20 06:32     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486508 | 1        | 06/03/20 19:01        | 06/08/20 00:31     | JN      | Mt. Juliet, TN |

BH-20-4 (0-1) L1223523-20 Solid

Collected by Joe Tyler  
Collected date/time 05/21/20 10:40  
Received date/time 05/29/20 09:00

| Method                                              | Batch     | Dilution | Preparation date/time | Analysis date/time | Analyst | Location       |
|-----------------------------------------------------|-----------|----------|-----------------------|--------------------|---------|----------------|
| Total Solids by Method 2540 G-2011                  | WG1486421 | 1        | 06/04/20 17:24        | 06/04/20 17:36     | KDW     | Mt. Juliet, TN |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30        | 06/03/20 07:28     | ELN     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486611 | 1        | 06/02/20 08:49        | 06/04/20 11:09     | BMB     | Mt. Juliet, TN |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486129 | 1        | 06/02/20 08:49        | 06/03/20 06:52     | DWR     | Mt. Juliet, TN |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486508 | 1        | 06/03/20 19:01        | 06/08/20 02:56     | JN      | Mt. Juliet, TN |

BH-20-4 (2-3) L1223523-21 Solid

|                                                     |           |          |                          | Collected by<br>Joe Tyler | Collected date/time<br>05/21/20 10:45 | Received date/time<br>05/29/20 09:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|---------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time     | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1486421 | 1        | 06/04/20 17:24           | 06/04/20 17:36            | KDW                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30           | 06/03/20 07:45            | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486611 | 1        | 06/02/20 08:49           | 06/04/20 11:33            | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486258 | 1        | 06/02/20 08:49           | 06/03/20 09:37            | ACG                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486508 | 1        | 06/03/20 19:01           | 06/08/20 02:43            | JN                                    | Mt. Juliet, TN                       |

1Cp

2Tc

3Ss

4Cn

BH-20-4 (4-5) L1223523-22 Solid

|                                                     |           |          |                          | Collected by<br>Joe Tyler | Collected date/time<br>05/21/20 10:50 | Received date/time<br>05/29/20 09:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|---------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time     | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1486421 | 1        | 06/04/20 17:24           | 06/04/20 17:36            | KDW                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30           | 06/03/20 08:36            | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486611 | 1        | 06/02/20 08:49           | 06/04/20 11:57            | BMB                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486258 | 1        | 06/02/20 08:49           | 06/03/20 09:56            | JHH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486508 | 1        | 06/03/20 19:01           | 06/08/20 00:44            | JN                                    | Mt. Juliet, TN                       |

5Sr

6Qc

7Gl

8Al

BH-20-5 (0-1) L1223523-23 Solid

|                                                     |           |          |                          | Collected by<br>Joe Tyler | Collected date/time<br>05/21/20 11:30 | Received date/time<br>05/29/20 09:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|---------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time     | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1486421 | 1        | 06/04/20 17:24           | 06/04/20 17:36            | KDW                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30           | 06/03/20 08:53            | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486617 | 1        | 06/02/20 08:49           | 06/04/20 01:24            | JHH                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486258 | 1        | 06/02/20 08:49           | 06/03/20 10:15            | JHH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486508 | 10       | 06/03/20 19:01           | 06/08/20 03:36            | JN                                    | Mt. Juliet, TN                       |

9Sc

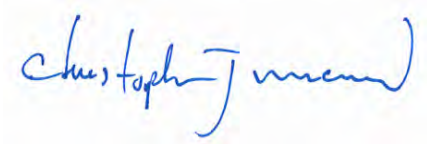
BH-20-5 (2-3) L1223523-24 Solid

|                                                     |           |          |                          | Collected by<br>Joe Tyler | Collected date/time<br>05/21/20 11:35 | Received date/time<br>05/29/20 09:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|---------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time     | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1486421 | 1        | 06/04/20 17:24           | 06/04/20 17:36            | KDW                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30           | 06/03/20 09:10            | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486617 | 1        | 06/02/20 08:49           | 06/04/20 01:44            | JHH                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486294 | 1        | 06/02/20 08:49           | 06/03/20 10:13            | JHH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486508 | 1        | 06/03/20 19:01           | 06/08/20 03:10            | JN                                    | Mt. Juliet, TN                       |

BH-20-5 (4-5) L1223523-25 Solid

|                                                     |           |          |                          | Collected by<br>Joe Tyler | Collected date/time<br>05/21/20 11:40 | Received date/time<br>05/29/20 09:00 |
|-----------------------------------------------------|-----------|----------|--------------------------|---------------------------|---------------------------------------|--------------------------------------|
| Method                                              | Batch     | Dilution | Preparation<br>date/time | Analysis<br>date/time     | Analyst                               | Location                             |
| Total Solids by Method 2540 G-2011                  | WG1486421 | 1        | 06/04/20 17:24           | 06/04/20 17:36            | KDW                                   | Mt. Juliet, TN                       |
| Wet Chemistry by Method 300.0                       | WG1486010 | 1        | 06/02/20 22:30           | 06/03/20 09:26            | ELN                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC) by Method 8015D/GRO | WG1486617 | 1        | 06/02/20 08:49           | 06/04/20 02:05            | JHH                                   | Mt. Juliet, TN                       |
| Volatile Organic Compounds (GC/MS) by Method 8260B  | WG1486294 | 1        | 06/02/20 08:49           | 06/03/20 10:33            | JHH                                   | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1486508 | 1        | 06/03/20 19:01           | 06/08/20 00:57            | JN                                    | Mt. Juliet, TN                       |
| Semi-Volatile Organic Compounds (GC) by Method 8015 | WG1488541 | 1        | 06/09/20 04:05           | 06/09/20 13:28            | JN                                    | Mt. Juliet, TN                       |

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



Chris McCord  
Project Manager

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

Collected date/time: 05/20/20 14:00

L1223523

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.6   |           | 1        | 06/04/2020 14:19     | <a href="#">WG1486415</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 232                |           | 9.83            | 21.4            | 1        | 06/03/2020 17:53     | <a href="#">WG1486008</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0232          | 0.107           | 1        | 06/03/2020 09:18     | <a href="#">WG1485898</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.9               |           |                 | 77.0-120        |          | 06/03/2020 09:18     | <a href="#">WG1485898</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000499        | 0.00107         | 1        | 06/03/2020 00:25     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00139         | 0.00534         | 1        | 06/03/2020 00:25     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000787        | 0.00267         | 1        | 06/03/2020 00:25     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000940        | 0.00694         | 1        | 06/03/2020 00:25     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 113                |           |                 | 75.0-131        |          | 06/03/2020 00:25     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 87.7               |           |                 | 67.0-138        |          | 06/03/2020 00:25     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 110                |           |                 | 70.0-130        |          | 06/03/2020 00:25     | <a href="#">WG1486129</a> |

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

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 25.4               |           | 1.72            | 4.27            | 1        | 06/03/2020 23:47     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 69.9               |           | 0.293           | 4.27            | 1        | 06/03/2020 23:47     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 77.8               |           |                 | 18.0-148        |          | 06/03/2020 23:47     | <a href="#">WG1486068</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.4   |           | 1        | 06/04/2020 14:19     | <a href="#">WG1486415</a> |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1170               |           | 50.9            | 111             | 5        | 06/03/2020 18:02     | <a href="#">WG1486008</a> |

3 Ss

4 Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0240          | 0.111           | 1        | 06/03/2020 09:42     | <a href="#">WG1485898</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.3               |           |                 | 77.0-120        |          | 06/03/2020 09:42     | <a href="#">WG1485898</a> |

5 Sr

6 Qc

7 Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000517        | 0.00111         | 1        | 06/03/2020 00:46     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00144         | 0.00553         | 1        | 06/03/2020 00:46     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000815        | 0.00277         | 1        | 06/03/2020 00:46     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000974        | 0.00719         | 1        | 06/03/2020 00:46     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 115                |           |                 | 75.0-131        |          | 06/03/2020 00:46     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 98.6               |           |                 | 67.0-138        |          | 06/03/2020 00:46     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 109                |           |                 | 70.0-130        |          | 06/03/2020 00:46     | <a href="#">WG1486129</a> |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 5.17               |           | 1.78            | 4.43            | 1        | 06/03/2020 23:21     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 12.6               |           | 0.303           | 4.43            | 1        | 06/03/2020 23:21     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 71.0               |           |                 | 18.0-148        |          | 06/03/2020 23:21     | <a href="#">WG1486068</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.8   |           | 1        | 06/04/2020 14:19     | <a href="#">WG1486415</a> |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 574                |           | 9.50            | 20.7            | 1        | 06/03/2020 18:31     | <a href="#">WG1486008</a> |

3 Ss

4 Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0224          | 0.103           | 1        | 06/03/2020 10:06     | <a href="#">WG1485898</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.8               |           |                 | 77.0-120        |          | 06/03/2020 10:06     | <a href="#">WG1485898</a> |

5 Sr

6 Qc

7 Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000482        | 0.00103         | 1        | 06/03/2020 01:06     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00516         | 1        | 06/03/2020 01:06     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000761        | 0.00258         | 1        | 06/03/2020 01:06     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000909        | 0.00671         | 1        | 06/03/2020 01:06     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 120                |           |                 | 75.0-131        |          | 06/03/2020 01:06     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 103                |           |                 | 67.0-138        |          | 06/03/2020 01:06     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 111                |           |                 | 70.0-130        |          | 06/03/2020 01:06     | <a href="#">WG1486129</a> |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U                  |           | 1.66            | 4.13            | 1        | 06/03/2020 20:42     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 2.60               | J         | 0.283           | 4.13            | 1        | 06/03/2020 20:42     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 86.8               |           |                 | 18.0-148        |          | 06/03/2020 20:42     | <a href="#">WG1486068</a> |

Collected date/time: 05/20/20 14:15

L1223523

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 91.5   |           | 1        | 06/04/2020 14:19 | <a href="#">WG1486415</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| Chloride | 1870         |           | 50.3      | 109       | 5        | 06/03/2020 18:40 | <a href="#">WG1486008</a> |

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

| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                                 | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction       | U            |           | 0.0237    | 0.109     | 1        | 06/03/2020 16:01 | <a href="#">WG1486356</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.9         |           |           | 77.0-120  |          | 06/03/2020 16:01 | <a href="#">WG1486356</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                           | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| Benzene                   | U            |           | 0.000510  | 0.00109   | 1        | 06/03/2020 01:26 | <a href="#">WG1486129</a> |
| Toluene                   | U            |           | 0.00142   | 0.00546   | 1        | 06/03/2020 01:26 | <a href="#">WG1486129</a> |
| Ethylbenzene              | U            |           | 0.000806  | 0.00273   | 1        | 06/03/2020 01:26 | <a href="#">WG1486129</a> |
| Total Xylenes             | U            |           | 0.000962  | 0.00710   | 1        | 06/03/2020 01:26 | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 116          |           |           | 75.0-131  |          | 06/03/2020 01:26 | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 98.7         |           |           | 67.0-138  |          | 06/03/2020 01:26 | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 110          |           |           | 70.0-130  |          | 06/03/2020 01:26 | <a href="#">WG1486129</a> |

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

| Analyte              | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | U            |           | 1.76      | 4.37      | 1        | 06/03/2020 20:56 | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 0.632        | J         | 0.299     | 4.37      | 1        | 06/03/2020 20:56 | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 65.0         |           |           | 18.0-148  |          | 06/03/2020 20:56 | <a href="#">WG1486068</a> |

Collected date/time: 05/20/20 14:20

L1223523

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.9   |           | 1        | 06/04/2020 18:21     | <a href="#">WG1486419</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 375                |           | 9.70            | 21.1            | 1        | 06/03/2020 18:50     | <a href="#">WG1486008</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0229          | 0.105           | 1        | 06/03/2020 16:25     | <a href="#">WG1486356</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.5               |           |                 | 77.0-120        |          | 06/03/2020 16:25     | <a href="#">WG1486356</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000492        | 0.00105         | 1        | 06/03/2020 15:21     | <a href="#">WG1486515</a> |
| Toluene                   | U                  |           | 0.00137         | 0.00527         | 1        | 06/03/2020 15:21     | <a href="#">WG1486515</a> |
| Ethylbenzene              | U                  |           | 0.000777        | 0.00264         | 1        | 06/03/2020 15:21     | <a href="#">WG1486515</a> |
| Total Xylenes             | 0.00111            | J         | 0.000928        | 0.00685         | 1        | 06/03/2020 15:21     | <a href="#">WG1486515</a> |
| (S) Toluene-d8            | 108                |           |                 | 75.0-131        |          | 06/03/2020 15:21     | <a href="#">WG1486515</a> |
| (S) 4-Bromofluorobenzene  | 118                |           |                 | 67.0-138        |          | 06/03/2020 15:21     | <a href="#">WG1486515</a> |
| (S) 1,2-Dichloroethane-d4 | 77.3               |           |                 | 70.0-130        |          | 06/03/2020 15:21     | <a href="#">WG1486515</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U                  |           | 1.70            | 4.22            | 1        | 06/03/2020 21:09     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 0.958              | J         | 0.289           | 4.22            | 1        | 06/03/2020 21:09     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 62.2               |           |                 | 18.0-148        |          | 06/03/2020 21:09     | <a href="#">WG1486068</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.9   |           | 1        | 06/04/2020 18:21     | <a href="#">WG1486419</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 124                |           | 9.50            | 20.6            | 1        | 06/03/2020 18:59     | <a href="#">WG1486008</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0224          | 0.103           | 1        | 06/03/2020 16:49     | <a href="#">WG1486356</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.4               |           |                 | 77.0-120        |          | 06/03/2020 16:49     | <a href="#">WG1486356</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000482        | 0.00103         | 1        | 06/03/2020 02:07     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00516         | 1        | 06/03/2020 02:07     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000761        | 0.00258         | 1        | 06/03/2020 02:07     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000908        | 0.00671         | 1        | 06/03/2020 02:07     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 116                |           |                 | 75.0-131        |          | 06/03/2020 02:07     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 97.8               |           |                 | 67.0-138        |          | 06/03/2020 02:07     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 110                |           |                 | 70.0-130        |          | 06/03/2020 02:07     | <a href="#">WG1486129</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U                  |           | 1.66            | 4.13            | 1        | 06/03/2020 21:22     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | U                  |           | 0.283           | 4.13            | 1        | 06/03/2020 21:22     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 73.3               |           |                 | 18.0-148        |          | 06/03/2020 21:22     | <a href="#">WG1486068</a> |

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

Collected date/time: 05/20/20 14:50

L1223523

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 93.1   |           | 1        | 06/04/2020 18:21     | <a href="#">WG1486419</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1290               |           | 49.4            | 107             | 5        | 06/03/2020 19:18     | <a href="#">WG1486008</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0233          | 0.107           | 1        | 06/03/2020 17:12     | <a href="#">WG1486356</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.8               |           |                 | 77.0-120        |          | 06/03/2020 17:12     | <a href="#">WG1486356</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000502        | 0.00107         | 1        | 06/03/2020 02:28     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00140         | 0.00537         | 1        | 06/03/2020 02:28     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000792        | 0.00269         | 1        | 06/03/2020 02:28     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000946        | 0.00698         | 1        | 06/03/2020 02:28     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 114                |           |                 | 75.0-131        |          | 06/03/2020 02:28     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 98.7               |           |                 | 67.0-138        |          | 06/03/2020 02:28     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 110                |           |                 | 70.0-130        |          | 06/03/2020 02:28     | <a href="#">WG1486129</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 351                |           | 8.65            | 21.5            | 5        | 06/04/2020 00:26     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 750                |           | 1.47            | 21.5            | 5        | 06/04/2020 00:26     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 106                |           |                 | 18.0-148        |          | 06/04/2020 00:26     | <a href="#">WG1486068</a> |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 90.3   |           | 1        | 06/04/2020 18:21     | <a href="#">WG1486419</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1320               |           | 50.9            | 111             | 5        | 06/03/2020 02:24     | <a href="#">WG1486010</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0623             | <a href="#">B J</a> | 0.0240          | 0.111           | 1        | 06/03/2020 09:55     | <a href="#">WG1486242</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9               |                     |                 | 77.0-120        |          | 06/03/2020 09:55     | <a href="#">WG1486242</a> |

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000517        | 0.00111         | 1        | 06/03/2020 02:48     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00144         | 0.00554         | 1        | 06/03/2020 02:48     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000816        | 0.00277         | 1        | 06/03/2020 02:48     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000974        | 0.00720         | 1        | 06/03/2020 02:48     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 113                |           |                 | 75.0-131        |          | 06/03/2020 02:48     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 97.9               |           |                 | 67.0-138        |          | 06/03/2020 02:48     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 112                |           |                 | 70.0-130        |          | 06/03/2020 02:48     | <a href="#">WG1486129</a> |

<sup>8</sup> Al

<sup>9</sup> Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 30.5               |           | 1.78            | 4.43            | 1        | 06/03/2020 23:34     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 63.0               |           | 0.303           | 4.43            | 1        | 06/03/2020 23:34     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 52.4               |           |                 | 18.0-148        |          | 06/03/2020 23:34     | <a href="#">WG1486068</a> |

Collected date/time: 05/20/20 15:05

L1223523

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis         | Batch                     |
|--------------|--------|-----------|----------|------------------|---------------------------|
|              | %      |           |          | date / time      |                           |
| Total Solids | 97.0   |           | 1        | 06/04/2020 18:01 | <a href="#">WG1486420</a> |

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

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|          | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| Chloride | 1160         |           | 47.4      | 103       | 5        | 06/03/2020 02:57 | <a href="#">WG1486010</a> |

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

| Analyte                     | Result (dry) | Qualifier           | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|-----------------------------|--------------|---------------------|-----------|-----------|----------|------------------|---------------------------|
|                             | mg/kg        |                     | mg/kg     | mg/kg     |          | date / time      |                           |
| TPH (GC/FID) Low Fraction   | 0.0572       | <a href="#">B J</a> | 0.0224    | 0.103     | 1        | 06/03/2020 10:18 | <a href="#">WG1486242</a> |
| (S)                         | 99.0         |                     |           | 77.0-120  |          | 06/03/2020 10:18 | <a href="#">WG1486242</a> |
| a,a,a-Trifluorotoluene(FID) |              |                     |           |           |          |                  |                           |

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

| Analyte                   | Result (dry) | Qualifier          | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|---------------------------|--------------|--------------------|-----------|-----------|----------|------------------|---------------------------|
|                           | mg/kg        |                    | mg/kg     | mg/kg     |          | date / time      |                           |
| Benzene                   | U            |                    | 0.000481  | 0.00103   | 1        | 06/03/2020 03:08 | <a href="#">WG1486129</a> |
| Toluene                   | U            |                    | 0.00134   | 0.00515   | 1        | 06/03/2020 03:08 | <a href="#">WG1486129</a> |
| Ethylbenzene              | U            |                    | 0.000760  | 0.00258   | 1        | 06/03/2020 03:08 | <a href="#">WG1486129</a> |
| Total Xylenes             | U            |                    | 0.000907  | 0.00670   | 1        | 06/03/2020 03:08 | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 184          | <a href="#">J1</a> |           | 75.0-131  |          | 06/03/2020 03:08 | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 99.0         |                    |           | 67.0-138  |          | 06/03/2020 03:08 | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 109          |                    |           | 70.0-130  |          | 06/03/2020 03:08 | <a href="#">WG1486129</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis         | Batch                     |
|----------------------|--------------|-----------|-----------|-----------|----------|------------------|---------------------------|
|                      | mg/kg        |           | mg/kg     | mg/kg     |          | date / time      |                           |
| C10-C28 Diesel Range | 9.63         |           | 1.66      | 4.12      | 1        | 06/03/2020 23:08 | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 16.9         |           | 0.282     | 4.12      | 1        | 06/03/2020 23:08 | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 72.3         |           |           | 18.0-148  |          | 06/03/2020 23:08 | <a href="#">WG1486068</a> |

Collected date/time: 05/20/20 15:10

L1223523

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.7   |           | 1        | 06/04/2020 18:01     | <a href="#">WG1486420</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 875                |           | 47.1            | 102             | 5        | 06/03/2020 03:14     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0487             | <a href="#">B J</a> | 0.0222          | 0.102           | 1        | 06/03/2020 10:40     | <a href="#">WG1486242</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.1               |                     |                 | 77.0-120        |          | 06/03/2020 10:40     | <a href="#">WG1486242</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000478        | 0.00102         | 1        | 06/03/2020 03:29     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00133         | 0.00512         | 1        | 06/03/2020 03:29     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000754        | 0.00256         | 1        | 06/03/2020 03:29     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000901        | 0.00665         | 1        | 06/03/2020 03:29     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 113                |           |                 | 75.0-131        |          | 06/03/2020 03:29     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 97.9               |           |                 | 67.0-138        |          | 06/03/2020 03:29     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 112                |           |                 | 70.0-130        |          | 06/03/2020 03:29     | <a href="#">WG1486129</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier         | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.07               | <a href="#">J</a> | 1.65            | 4.09            | 1        | 06/03/2020 22:54     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 3.00               | <a href="#">J</a> | 0.280           | 4.09            | 1        | 06/03/2020 22:54     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 67.4               |                   |                 | 18.0-148        |          | 06/03/2020 22:54     | <a href="#">WG1486068</a> |

Collected date/time: 05/20/20 15:20

L1223523

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 99.2   |           | 1        | 06/04/2020 18:01     | <a href="#">WG1486420</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 781                |           | 46.4            | 101             | 5        | 06/03/2020 03:31     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0540             | <a href="#">B J</a> | 0.0219          | 0.101           | 1        | 06/03/2020 11:02     | <a href="#">WG1486242</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.2               |                     |                 | 77.0-120        |          | 06/03/2020 11:02     | <a href="#">WG1486242</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier          | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |                    | 0.000471        | 0.00101         | 1        | 06/03/2020 03:49     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |                    | 0.00131         | 0.00504         | 1        | 06/03/2020 03:49     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |                    | 0.000743        | 0.00252         | 1        | 06/03/2020 03:49     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |                    | 0.000887        | 0.00655         | 1        | 06/03/2020 03:49     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 136                | <a href="#">J1</a> |                 | 75.0-131        |          | 06/03/2020 03:49     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 72.0               |                    |                 | 67.0-138        |          | 06/03/2020 03:49     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 110                |                    |                 | 70.0-130        |          | 06/03/2020 03:49     | <a href="#">WG1486129</a> |

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

| Analyte              | Result (dry) mg/kg | Qualifier         | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U                  |                   | 1.62            | 4.03            | 1        | 06/03/2020 21:35     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 0.975              | <a href="#">J</a> | 0.276           | 4.03            | 1        | 06/03/2020 21:35     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 75.1               |                   |                 | 18.0-148        |          | 06/03/2020 21:35     | <a href="#">WG1486068</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.8   |           | 1        | 06/04/2020 18:01     | <a href="#">WG1486420</a> |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1630               |           | 48.0            | 104             | 5        | 06/03/2020 03:48     | <a href="#">WG1486010</a> |

3 Ss

4 Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0646             | <a href="#">B J</a> | 0.0226          | 0.104           | 1        | 06/03/2020 11:25     | <a href="#">WG1486242</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.5               |                     |                 | 77.0-120        |          | 06/03/2020 11:25     | <a href="#">WG1486242</a> |

5 Sr

6 Qc

7 Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier          | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |                    | 0.000487        | 0.00104         | 1        | 06/03/2020 04:09     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |                    | 0.00136         | 0.00522         | 1        | 06/03/2020 04:09     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |                    | 0.000769        | 0.00261         | 1        | 06/03/2020 04:09     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |                    | 0.000918        | 0.00678         | 1        | 06/03/2020 04:09     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 171                | <a href="#">J1</a> |                 | 75.0-131        |          | 06/03/2020 04:09     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 88.2               |                    |                 | 67.0-138        |          | 06/03/2020 04:09     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 109                |                    |                 | 70.0-130        |          | 06/03/2020 04:09     | <a href="#">WG1486129</a> |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier         | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U                  |                   | 1.68            | 4.17            | 1        | 06/03/2020 21:49     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 0.623              | <a href="#">J</a> | 0.286           | 4.17            | 1        | 06/03/2020 21:49     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 70.0               |                   |                 | 18.0-148        |          | 06/03/2020 21:49     | <a href="#">WG1486068</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 84.6   |           | 1        | 06/04/2020 18:01     | <a href="#">WG1486420</a> |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 2600               |           | 109             | 236             | 10       | 06/03/2020 04:05     | <a href="#">WG1486010</a> |

3 Ss

4 Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0257          | 0.118           | 1        | 06/03/2020 16:06     | <a href="#">WG1486589</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 102                |           |                 | 77.0-120        |          | 06/03/2020 16:06     | <a href="#">WG1486589</a> |

5 Sr

6 Qc

7 Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000552        | 0.00118         | 1        | 06/03/2020 04:30     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00154         | 0.00591         | 1        | 06/03/2020 04:30     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000871        | 0.00296         | 1        | 06/03/2020 04:30     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.00104         | 0.00769         | 1        | 06/03/2020 04:30     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 115                |           |                 | 75.0-131        |          | 06/03/2020 04:30     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 95.4               |           |                 | 67.0-138        |          | 06/03/2020 04:30     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 102                |           |                 | 70.0-130        |          | 06/03/2020 04:30     | <a href="#">WG1486129</a> |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U                  |           | 1.90            | 4.73            | 1        | 06/03/2020 22:02     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | U                  |           | 0.324           | 4.73            | 1        | 06/03/2020 22:02     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 68.4               |           |                 | 18.0-148        |          | 06/03/2020 22:02     | <a href="#">WG1486068</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.9   |           | 1        | 06/04/2020 18:01     | <a href="#">WG1486420</a> |

1 Cp

2 Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 1670               |           | 47.4            | 103             | 5        | 06/03/2020 05:47     | <a href="#">WG1486010</a> |

3 Ss

4 Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0537             | <a href="#">B J</a> | 0.0224          | 0.103           | 1        | 06/03/2020 12:10     | <a href="#">WG1486242</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9               |                     |                 | 77.0-120        |          | 06/03/2020 12:10     | <a href="#">WG1486242</a> |

5 Sr

6 Qc

7 Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000482        | 0.00103         | 1        | 06/03/2020 04:50     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00516         | 1        | 06/03/2020 04:50     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000760        | 0.00258         | 1        | 06/03/2020 04:50     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000908        | 0.00670         | 1        | 06/03/2020 04:50     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 123                |           |                 | 75.0-131        |          | 06/03/2020 04:50     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 105                |           |                 | 67.0-138        |          | 06/03/2020 04:50     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 110                |           |                 | 70.0-130        |          | 06/03/2020 04:50     | <a href="#">WG1486129</a> |

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier         | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | U                  |                   | 1.66            | 4.13            | 1        | 06/03/2020 22:15     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 0.781              | <a href="#">J</a> | 0.283           | 4.13            | 1        | 06/03/2020 22:15     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 70.4               |                   |                 | 18.0-148        |          | 06/03/2020 22:15     | <a href="#">WG1486068</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.1   |           | 1        | 06/04/2020 18:01     | <a href="#">WG1486420</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 2420         |           | 97.8      | 213       | 10       | 06/03/2020 06:03     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) | Qualifier           | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|---------------------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0697       | <a href="#">B J</a> | 0.0231    | 0.106     | 1        | 06/03/2020 12:32     | <a href="#">WG1486242</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.9         |                     |           | 77.0-120  |          | 06/03/2020 12:32     | <a href="#">WG1486242</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000497  | 0.00106   | 1        | 06/03/2020 05:10     | <a href="#">WG1486129</a> |
| Toluene                   | U            |           | 0.00138   | 0.00532   | 1        | 06/03/2020 05:10     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U            |           | 0.000784  | 0.00266   | 1        | 06/03/2020 05:10     | <a href="#">WG1486129</a> |
| Total Xylenes             | U            |           | 0.000936  | 0.00691   | 1        | 06/03/2020 05:10     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 115          |           |           | 75.0-131  |          | 06/03/2020 05:10     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 98.4         |           |           | 67.0-138  |          | 06/03/2020 05:10     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 111          |           |           | 70.0-130  |          | 06/03/2020 05:10     | <a href="#">WG1486129</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) | Qualifier         | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-------------------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 1.85         | <a href="#">J</a> | 1.71      | 4.25      | 1        | 06/03/2020 22:28     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 2.35         | <a href="#">J</a> | 0.291     | 4.25      | 1        | 06/03/2020 22:28     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 68.4         |                   |           | 18.0-148  |          | 06/03/2020 22:28     | <a href="#">WG1486068</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 95.8   |           | 1        | 06/04/2020 18:01     | <a href="#">WG1486420</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 400                |           | 9.60            | 20.9            | 1        | 06/03/2020 06:20     | <a href="#">WG1486010</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier           | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|---------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0552             | <a href="#">B J</a> | 0.0227          | 0.104           | 1        | 06/03/2020 12:54     | <a href="#">WG1486242</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8               |                     |                 | 77.0-120        |          | 06/03/2020 12:54     | <a href="#">WG1486242</a> |

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier          | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|--------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |                    | 0.000487        | 0.00104         | 1        | 06/03/2020 05:31     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |                    | 0.00136         | 0.00522         | 1        | 06/03/2020 05:31     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |                    | 0.000769        | 0.00261         | 1        | 06/03/2020 05:31     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |                    | 0.000919        | 0.00679         | 1        | 06/03/2020 05:31     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 138                | <a href="#">J1</a> |                 | 75.0-131        |          | 06/03/2020 05:31     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 87.4               |                    |                 | 67.0-138        |          | 06/03/2020 05:31     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 111                |                    |                 | 70.0-130        |          | 06/03/2020 05:31     | <a href="#">WG1486129</a> |

<sup>8</sup> Al

<sup>9</sup> Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier         | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-------------------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.85               | <a href="#">J</a> | 1.68            | 4.18            | 1        | 06/03/2020 22:41     | <a href="#">WG1486068</a> |
| C28-C40 Oil Range    | 5.37               |                   | 0.286           | 4.18            | 1        | 06/03/2020 22:41     | <a href="#">WG1486068</a> |
| (S) o-Terphenyl      | 68.9               |                   |                 | 18.0-148        |          | 06/03/2020 22:41     | <a href="#">WG1486068</a> |

Collected date/time: 05/21/20 10:00

L1223523

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 94.4   |           | 1        | 06/04/2020 18:01     | <a href="#">WG1486420</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 93.0               |           | 9.75            | 21.2            | 1        | 06/03/2020 06:37     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0230          | 0.106           | 1        | 06/04/2020 09:57     | <a href="#">WG1486611</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 94.4               |           |                 | 77.0-120        |          | 06/04/2020 09:57     | <a href="#">WG1486611</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000495        | 0.00106         | 1        | 06/03/2020 05:51     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00138         | 0.00530         | 1        | 06/03/2020 05:51     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000781        | 0.00265         | 1        | 06/03/2020 05:51     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000932        | 0.00689         | 1        | 06/03/2020 05:51     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 113                |           |                 | 75.0-131        |          | 06/03/2020 05:51     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 99.2               |           |                 | 67.0-138        |          | 06/03/2020 05:51     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 109                |           |                 | 70.0-130        |          | 06/03/2020 05:51     | <a href="#">WG1486129</a> |

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

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 9.77               |           | 1.71            | 4.24            | 1        | 06/08/2020 02:30     | <a href="#">WG1486508</a> |
| C28-C40 Oil Range    | 19.3               |           | 0.290           | 4.24            | 1        | 06/08/2020 02:30     | <a href="#">WG1486508</a> |
| (S) o-Terphenyl      | 118                |           |                 | 18.0-148        |          | 06/08/2020 02:30     | <a href="#">WG1486508</a> |

Collected date/time: 05/21/20 10:05

L1223523

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.9   |           | 1        | 06/04/2020 18:01     | <a href="#">WG1486420</a> |

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 20.7               |           | 9.50            | 20.6            | 1        | 06/03/2020 06:54     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0224          | 0.103           | 1        | 06/04/2020 10:21     | <a href="#">WG1486611</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 99.0               |           |                 | 77.0-120        |          | 06/04/2020 10:21     | <a href="#">WG1486611</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000482        | 0.00103         | 1        | 06/03/2020 06:11     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00516         | 1        | 06/03/2020 06:11     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000761        | 0.00258         | 1        | 06/03/2020 06:11     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000908        | 0.00671         | 1        | 06/03/2020 06:11     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 122                |           |                 | 75.0-131        |          | 06/03/2020 06:11     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 123                |           |                 | 67.0-138        |          | 06/03/2020 06:11     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 108                |           |                 | 70.0-130        |          | 06/03/2020 06:11     | <a href="#">WG1486129</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 4.86               |           | 1.66            | 4.13            | 1        | 06/08/2020 22:24     | <a href="#">WG1486508</a> |
| C28-C40 Oil Range    | 10.4               |           | 0.283           | 4.13            | 1        | 06/08/2020 22:24     | <a href="#">WG1486508</a> |
| (S) o-Terphenyl      | 122                |           |                 | 18.0-148        |          | 06/08/2020 22:24     | <a href="#">WG1486508</a> |

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

Collected date/time: 05/21/20 10:10

L1223523

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.1   |           | 1        | 06/04/2020 17:36     | <a href="#">WG1486421</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 65.5               |           | 9.57            | 20.8            | 1        | 06/03/2020 07:11     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0226          | 0.104           | 1        | 06/04/2020 10:45     | <a href="#">WG1486611</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 95.4               |           |                 | 77.0-120        |          | 06/04/2020 10:45     | <a href="#">WG1486611</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000486        | 0.00104         | 1        | 06/03/2020 06:32     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00135         | 0.00520         | 1        | 06/03/2020 06:32     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000767        | 0.00260         | 1        | 06/03/2020 06:32     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000916        | 0.00676         | 1        | 06/03/2020 06:32     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 117                |           |                 | 75.0-131        |          | 06/03/2020 06:32     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 69.8               |           |                 | 67.0-138        |          | 06/03/2020 06:32     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 109                |           |                 | 70.0-130        |          | 06/03/2020 06:32     | <a href="#">WG1486129</a> |

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

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.47               | J         | 1.68            | 4.16            | 1        | 06/08/2020 00:31     | <a href="#">WG1486508</a> |
| C28-C40 Oil Range    | 2.47               | J         | 0.285           | 4.16            | 1        | 06/08/2020 00:31     | <a href="#">WG1486508</a> |
| (S) o-Terphenyl      | 121                |           |                 | 18.0-148        |          | 06/08/2020 00:31     | <a href="#">WG1486508</a> |

Collected date/time: 05/21/20 10:40

L1223523

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 98.6   |           | 1        | 06/04/2020 17:36     | <a href="#">WG1486421</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 27.8               |           | 9.33            | 20.3            | 1        | 06/03/2020 07:28     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0913             | J         | 0.0220          | 0.101           | 1        | 06/04/2020 11:09     | <a href="#">WG1486611</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 96.7               |           |                 | 77.0-120        |          | 06/04/2020 11:09     | <a href="#">WG1486611</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000474        | 0.00101         | 1        | 06/03/2020 06:52     | <a href="#">WG1486129</a> |
| Toluene                   | U                  |           | 0.00132         | 0.00507         | 1        | 06/03/2020 06:52     | <a href="#">WG1486129</a> |
| Ethylbenzene              | U                  |           | 0.000747        | 0.00254         | 1        | 06/03/2020 06:52     | <a href="#">WG1486129</a> |
| Total Xylenes             | U                  |           | 0.000892        | 0.00659         | 1        | 06/03/2020 06:52     | <a href="#">WG1486129</a> |
| (S) Toluene-d8            | 115                |           |                 | 75.0-131        |          | 06/03/2020 06:52     | <a href="#">WG1486129</a> |
| (S) 4-Bromofluorobenzene  | 61.5               | J2        |                 | 67.0-138        |          | 06/03/2020 06:52     | <a href="#">WG1486129</a> |
| (S) 1,2-Dichloroethane-d4 | 110                |           |                 | 70.0-130        |          | 06/03/2020 06:52     | <a href="#">WG1486129</a> |

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

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 12.6               |           | 1.63            | 4.06            | 1        | 06/08/2020 02:56     | <a href="#">WG1486508</a> |
| C28-C40 Oil Range    | 25.1               |           | 0.278           | 4.06            | 1        | 06/08/2020 02:56     | <a href="#">WG1486508</a> |
| (S) o-Terphenyl      | 139                |           |                 | 18.0-148        |          | 06/08/2020 02:56     | <a href="#">WG1486508</a> |

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

Collected date/time: 05/21/20 10:45

L1223523

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.3   |           | 1        | 06/04/2020 17:36     | <a href="#">WG1486421</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 19.8               | J         | 9.45            | 20.5            | 1        | 06/03/2020 07:45     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0223          | 0.103           | 1        | 06/04/2020 11:33     | <a href="#">WG1486611</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 97.8               |           |                 | 77.0-120        |          | 06/04/2020 11:33     | <a href="#">WG1486611</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000480        | 0.00103         | 1        | 06/03/2020 09:37     | <a href="#">WG1486258</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00514         | 1        | 06/03/2020 09:37     | <a href="#">WG1486258</a> |
| Ethylbenzene              | U                  |           | 0.000757        | 0.00257         | 1        | 06/03/2020 09:37     | <a href="#">WG1486258</a> |
| Total Xylenes             | U                  |           | 0.000904        | 0.00668         | 1        | 06/03/2020 09:37     | <a href="#">WG1486258</a> |
| (S) Toluene-d8            | 104                |           |                 | 75.0-131        |          | 06/03/2020 09:37     | <a href="#">WG1486258</a> |
| (S) 4-Bromofluorobenzene  | 89.1               |           |                 | 67.0-138        |          | 06/03/2020 09:37     | <a href="#">WG1486258</a> |
| (S) 1,2-Dichloroethane-d4 | 105                |           |                 | 70.0-130        |          | 06/03/2020 09:37     | <a href="#">WG1486258</a> |

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

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 7.70               |           | 1.65            | 4.11            | 1        | 06/08/2020 02:43     | <a href="#">WG1486508</a> |
| C28-C40 Oil Range    | 21.1               |           | 0.281           | 4.11            | 1        | 06/08/2020 02:43     | <a href="#">WG1486508</a> |
| (S) o-Terphenyl      | 130                |           |                 | 18.0-148        |          | 06/08/2020 02:43     | <a href="#">WG1486508</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 97.3   |           | 1        | 06/04/2020 17:36     | <a href="#">WG1486421</a> |

<sup>1</sup> Cp

<sup>2</sup> Tc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | 273                |           | 9.46            | 20.6            | 1        | 06/03/2020 08:36     | <a href="#">WG1486010</a> |

<sup>3</sup> Ss

<sup>4</sup> Cn

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0223          | 0.103           | 1        | 06/04/2020 11:57     | <a href="#">WG1486611</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 100                |           |                 | 77.0-120        |          | 06/04/2020 11:57     | <a href="#">WG1486611</a> |

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000480        | 0.00103         | 1        | 06/03/2020 09:56     | <a href="#">WG1486258</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00514         | 1        | 06/03/2020 09:56     | <a href="#">WG1486258</a> |
| Ethylbenzene              | U                  |           | 0.000758        | 0.00257         | 1        | 06/03/2020 09:56     | <a href="#">WG1486258</a> |
| Total Xylenes             | U                  |           | 0.000905        | 0.00668         | 1        | 06/03/2020 09:56     | <a href="#">WG1486258</a> |
| (S) Toluene-d8            | 104                |           |                 | 75.0-131        |          | 06/03/2020 09:56     | <a href="#">WG1486258</a> |
| (S) 4-Bromofluorobenzene  | 87.5               |           |                 | 67.0-138        |          | 06/03/2020 09:56     | <a href="#">WG1486258</a> |
| (S) 1,2-Dichloroethane-d4 | 99.9               |           |                 | 70.0-130        |          | 06/03/2020 09:56     | <a href="#">WG1486258</a> |

<sup>8</sup> Al

<sup>9</sup> Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 2.07               | J         | 1.66            | 4.11            | 1        | 06/08/2020 00:44     | <a href="#">WG1486508</a> |
| C28-C40 Oil Range    | 2.52               | J         | 0.282           | 4.11            | 1        | 06/08/2020 00:44     | <a href="#">WG1486508</a> |
| (S) o-Terphenyl      | 98.1               |           |                 | 18.0-148        |          | 06/08/2020 00:44     | <a href="#">WG1486508</a> |

Collected date/time: 05/21/20 11:30

L1223523

## Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.3   |           | 1        | 06/04/2020 17:36     | <a href="#">WG1486421</a> |

## Wet Chemistry by Method 300.0

| Analyte  | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Chloride | 20.2         | J         | 9.56      | 20.8      | 1        | 06/03/2020 08:53     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | 0.0262       | J         | 0.0225    | 0.104     | 1        | 06/04/2020 01:24     | <a href="#">WG1486617</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 98.8         |           |           | 77.0-120  |          | 06/04/2020 01:24     | <a href="#">WG1486617</a> |

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

| Analyte                   | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| Benzene                   | U            |           | 0.000485  | 0.00104   | 1        | 06/03/2020 10:15     | <a href="#">WG1486258</a> |
| Toluene                   | U            |           | 0.00135   | 0.00519   | 1        | 06/03/2020 10:15     | <a href="#">WG1486258</a> |
| Ethylbenzene              | U            |           | 0.000766  | 0.00260   | 1        | 06/03/2020 10:15     | <a href="#">WG1486258</a> |
| Total Xylenes             | U            |           | 0.000914  | 0.00675   | 1        | 06/03/2020 10:15     | <a href="#">WG1486258</a> |
| (S) Toluene-d8            | 104          |           |           | 75.0-131  |          | 06/03/2020 10:15     | <a href="#">WG1486258</a> |
| (S) 4-Bromofluorobenzene  | 88.2         |           |           | 67.0-138  |          | 06/03/2020 10:15     | <a href="#">WG1486258</a> |
| (S) 1,2-Dichloroethane-d4 | 98.9         |           |           | 70.0-130  |          | 06/03/2020 10:15     | <a href="#">WG1486258</a> |

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

| Analyte              | Result (dry) | Qualifier | MDL (dry) | RDL (dry) | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------|-----------|-----------|-----------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 605          |           | 16.7      | 41.6      | 10       | 06/08/2020 03:36     | <a href="#">WG1486508</a> |
| C28-C40 Oil Range    | 977          |           | 2.85      | 41.6      | 10       | 06/08/2020 03:36     | <a href="#">WG1486508</a> |
| (S) o-Terphenyl      | 198          | J1        |           | 18.0-148  |          | 06/08/2020 03:36     | <a href="#">WG1486508</a> |

## Sample Narrative:

L1223523-23 WG1486508: Surrogate failure due to matrix interference

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.8   |           | 1        | 06/04/2020 17:36     | <a href="#">WG1486421</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U                  |           | 9.50            | 20.7            | 1        | 06/03/2020 09:10     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0224          | 0.103           | 1        | 06/04/2020 01:44     | <a href="#">WG1486617</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 104                |           |                 | 77.0-120        |          | 06/04/2020 01:44     | <a href="#">WG1486617</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000482        | 0.00103         | 1        | 06/03/2020 10:13     | <a href="#">WG1486294</a> |
| Toluene                   | U                  |           | 0.00134         | 0.00516         | 1        | 06/03/2020 10:13     | <a href="#">WG1486294</a> |
| Ethylbenzene              | U                  |           | 0.000761        | 0.00258         | 1        | 06/03/2020 10:13     | <a href="#">WG1486294</a> |
| Total Xylenes             | U                  |           | 0.000909        | 0.00671         | 1        | 06/03/2020 10:13     | <a href="#">WG1486294</a> |
| (S) Toluene-d8            | 99.6               |           |                 | 75.0-131        |          | 06/03/2020 10:13     | <a href="#">WG1486294</a> |
| (S) 4-Bromofluorobenzene  | 94.9               |           |                 | 67.0-138        |          | 06/03/2020 10:13     | <a href="#">WG1486294</a> |
| (S) 1,2-Dichloroethane-d4 | 94.1               |           |                 | 70.0-130        |          | 06/03/2020 10:13     | <a href="#">WG1486294</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 22.6               |           | 1.66            | 4.13            | 1        | 06/08/2020 03:10     | <a href="#">WG1486508</a> |
| C28-C40 Oil Range    | 38.6               |           | 0.283           | 4.13            | 1        | 06/08/2020 03:10     | <a href="#">WG1486508</a> |
| (S) o-Terphenyl      | 130                |           |                 | 18.0-148        |          | 06/08/2020 03:10     | <a href="#">WG1486508</a> |

Total Solids by Method 2540 G-2011

| Analyte      | Result | Qualifier | Dilution | Analysis date / time | Batch                     |
|--------------|--------|-----------|----------|----------------------|---------------------------|
| Total Solids | 96.3   |           | 1        | 06/04/2020 17:36     | <a href="#">WG1486421</a> |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Wet Chemistry by Method 300.0

| Analyte  | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Chloride | U                  |           | 9.55            | 20.8            | 1        | 06/03/2020 09:26     | <a href="#">WG1486010</a> |

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

| Analyte                         | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| TPH (GC/FID) Low Fraction       | U                  |           | 0.0225          | 0.104           | 1        | 06/04/2020 02:05     | <a href="#">WG1486617</a> |
| (S) a,a,a-Trifluorotoluene(FID) | 101                |           |                 | 77.0-120        |          | 06/04/2020 02:05     | <a href="#">WG1486617</a> |

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

| Analyte                   | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|---------------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| Benzene                   | U                  |           | 0.000485        | 0.00104         | 1        | 06/03/2020 10:33     | <a href="#">WG1486294</a> |
| Toluene                   | U                  |           | 0.00135         | 0.00519         | 1        | 06/03/2020 10:33     | <a href="#">WG1486294</a> |
| Ethylbenzene              | U                  |           | 0.000765        | 0.00260         | 1        | 06/03/2020 10:33     | <a href="#">WG1486294</a> |
| Total Xylenes             | U                  |           | 0.000914        | 0.00675         | 1        | 06/03/2020 10:33     | <a href="#">WG1486294</a> |
| (S) Toluene-d8            | 98.4               |           |                 | 75.0-131        |          | 06/03/2020 10:33     | <a href="#">WG1486294</a> |
| (S) 4-Bromofluorobenzene  | 95.2               |           |                 | 67.0-138        |          | 06/03/2020 10:33     | <a href="#">WG1486294</a> |
| (S) 1,2-Dichloroethane-d4 | 92.9               |           |                 | 70.0-130        |          | 06/03/2020 10:33     | <a href="#">WG1486294</a> |

Semi-Volatile Organic Compounds (GC) by Method 8015

| Analyte              | Result (dry) mg/kg | Qualifier | MDL (dry) mg/kg | RDL (dry) mg/kg | Dilution | Analysis date / time | Batch                     |
|----------------------|--------------------|-----------|-----------------|-----------------|----------|----------------------|---------------------------|
| C10-C28 Diesel Range | 3.09               | J         | 1.67            | 4.15            | 1        | 06/08/2020 00:57     | <a href="#">WG1486508</a> |
| C10-C28 Diesel Range | U                  | Q         | 1.67            | 4.15            | 1        | 06/09/2020 13:28     | <a href="#">WG1488541</a> |
| C28-C40 Oil Range    | 5.18               |           | 0.284           | 4.15            | 1        | 06/08/2020 00:57     | <a href="#">WG1486508</a> |
| C28-C40 Oil Range    | 1.13               | J Q       | 0.284           | 4.15            | 1        | 06/09/2020 13:28     | <a href="#">WG1488541</a> |
| (S) o-Terphenyl      | 115                |           |                 | 18.0-148        |          | 06/08/2020 00:57     | <a href="#">WG1486508</a> |
| (S) o-Terphenyl      | 63.5               |           |                 | 18.0-148        |          | 06/09/2020 13:28     | <a href="#">WG1488541</a> |

Sample Narrative:

L1223523-25 WG1486508, WG1488541: Duplicate Analysis performed due to contamination. Results don't confirm; both analyses reported

Total Solids by Method 2540 G-2011 [L1223523-01,02,03,04](#)

Method Blank (MB)

(MB) R3535378-1 06/04/20 14:19

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

L1223485-24 Original Sample (OS) • Duplicate (DUP)

(OS) L1223485-24 06/04/20 14:19 • (DUP) R3535378-3 06/04/20 14:19

| Analyte      | Original Result<br>% | DUP Result<br>% | Dilution | DUP RPD<br>% | DUP RPD<br>Limits |
|--------------|----------------------|-----------------|----------|--------------|-------------------|
| Total Solids | 85.9                 | 85.4            | 1        | 0.523        | 10                |

Laboratory Control Sample (LCS)

(LCS) R3535378-2 06/04/20 14:19

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1223523-05.06.07.08](#)

Method Blank (MB)

(MB) R3535553-1 06/04/20 18:21

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

Original Sample (OS) • Duplicate (DUP)

(OS) • (DUP) R3535553-3 06/04/20 18:21

| Analyte      | Original Result<br>% | DUP Result<br>% | Dilution | DUP RPD<br>% | <u>DUP Qualifier</u> | DUP RPD<br>Limits |
|--------------|----------------------|-----------------|----------|--------------|----------------------|-------------------|
| Total Solids | 93.6                 | 93.6            | 1        | 0.111        |                      | 10                |

Laboratory Control Sample (LCS)

(LCS) R3535553-2 06/04/20 18:21

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

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1223523-09,10,11,12,13,14,15,16,17,18](#)

Method Blank (MB)

(MB) R3535512-1 06/04/20 18:01

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

L1223523-10 Original Sample (OS) • Duplicate (DUP)

(OS) L1223523-10 06/04/20 18:01 • (DUP) R3535512-3 06/04/20 18:01

|              | Original Result | DUP Result | Dilution | DUP RPD | <u>DUP Qualifier</u> | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|----------------------|----------------|
| Analyte      | %               | %          |          | %       |                      | %              |
| Total Solids | 97.7            | 97.9       | 1        | 0.148   |                      | 10             |

Laboratory Control Sample (LCS)

(LCS) R3535512-2 06/04/20 18:01

|              | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | <u>LCS Qualifier</u> |
|--------------|--------------|------------|----------|-------------|----------------------|
| Analyte      | %            | %          | %        | %           |                      |
| Total Solids | 50.0         | 50.1       | 100      | 85.0-115    |                      |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Total Solids by Method 2540 G-2011 [L1223523-19,20,21,22,23,24,25](#)

Method Blank (MB)

(MB) R3535509-1 06/04/20 17:36

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

L1223523-20 Original Sample (OS) • Duplicate (DUP)

(OS) L1223523-20 06/04/20 17:36 • (DUP) R3535509-3 06/04/20 17:36

| Analyte      | Original Result | DUP Result | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
|--------------|-----------------|------------|----------|---------|---------------|----------------|
|              | %               | %          |          | %       |               | %              |
| Total Solids | 98.6            | 98.7       | 1        | 0.118   |               | 10             |

Laboratory Control Sample (LCS)

(LCS) R3535509-2 06/04/20 17:36

| Analyte      | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
|--------------|--------------|------------|----------|-------------|---------------|
|              | %            | %          | %        | %           |               |
| Total Solids | 50.0         | 49.7       | 99.4     | 85.0-115    |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Wet Chemistry by Method 300.0

[L1223523-01,02,03,04,05,06,07](#)

Method Blank (MB)

(MB) R3534872-1 06/03/20 14:32

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

L1223384-22 Original Sample (OS) • Duplicate (DUP)

(OS) L1223384-22 06/03/20 15:30 • (DUP) R3534872-3 06/03/20 15:39

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 83.5                              | 86.3                         | 1        | 3.27         |               | 20                     |

L1223523-06 Original Sample (OS) • Duplicate (DUP)

(OS) L1223523-06 06/03/20 18:59 • (DUP) R3534872-6 06/03/20 19:09

| Analyte  | Original Result<br>(dry)<br>mg/kg | DUP Result<br>(dry)<br>mg/kg | Dilution | DUP RPD<br>% | DUP Qualifier | DUP RPD<br>Limits<br>% |
|----------|-----------------------------------|------------------------------|----------|--------------|---------------|------------------------|
| Chloride | 124                               | 119                          | 1        | 3.69         |               | 20                     |

Laboratory Control Sample (LCS)

(LCS) R3534872-2 06/03/20 14:42

| Analyte  | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------|-----------------------|---------------------|---------------|------------------|---------------|
| Chloride | 200                   | 187                 | 93.7          | 90.0-110         |               |

L1223384-25 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223384-25 06/03/20 16:08 • (MS) R3534872-4 06/03/20 16:37 • (MSD) R3534872-5 06/03/20 16:46

| Analyte  | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Chloride | 544                            | 27.1                              | 548                      | 559                          | 95.6         | 97.8          | 1        | 80.0-120         |              |               | 2.13     | 20              |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

|                                |           |              |        |        |
|--------------------------------|-----------|--------------|--------|--------|
| (MB) R3534486-1 06/03/20 01:30 |           |              |        |        |
|                                | MB Result | MB Qualifier | MB MDL | MB RDL |
| Analyte                        | mg/kg     |              | mg/kg  | mg/kg  |
| Chloride                       | U         |              | 9.20   | 20.0   |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

L1223523-08 Original Sample (OS) • Duplicate (DUP)

|                                                                   |                       |                  |          |         |               |                |
|-------------------------------------------------------------------|-----------------------|------------------|----------|---------|---------------|----------------|
| (OS) L1223523-08 06/03/20 02:24 • (DUP) R3534486-3 06/03/20 02:40 |                       |                  |          |         |               |                |
|                                                                   | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
| Analyte                                                           | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride                                                          | 1320                  | 1350             | 5        | 2.47    |               | 20             |

L1223768-02 Original Sample (OS) • Duplicate (DUP)

|                                                                   |                       |                  |          |         |               |                |
|-------------------------------------------------------------------|-----------------------|------------------|----------|---------|---------------|----------------|
| (OS) L1223768-02 06/03/20 10:00 • (DUP) R3534486-6 06/03/20 10:17 |                       |                  |          |         |               |                |
|                                                                   | Original Result (dry) | DUP Result (dry) | Dilution | DUP RPD | DUP Qualifier | DUP RPD Limits |
| Analyte                                                           | mg/kg                 | mg/kg            |          | %       |               | %              |
| Chloride                                                          | 57.3                  | 54.7             | 1        | 4.48    |               | 20             |

Laboratory Control Sample (LCS)

|                                 |              |            |          |             |               |
|---------------------------------|--------------|------------|----------|-------------|---------------|
| (LCS) R3534486-2 06/03/20 01:47 |              |            |          |             |               |
|                                 | Spike Amount | LCS Result | LCS Rec. | Rec. Limits | LCS Qualifier |
| Analyte                         | mg/kg        | mg/kg      | %        | %           |               |
| Chloride                        | 200          | 205        | 103      | 90.0-110    |               |

L1223523-14 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223523-14 06/03/20 04:22 • (MS) R3534486-4 06/03/20 05:13 • (MSD) R3534486-5 06/03/20 05:30

|          | Spike Amount (dry) | Original Result (dry) | MS Result (dry) | MSD Result (dry) | MS Rec. | MSD Rec. | Dilution | Rec. Limits | <u>MS Qualifier</u> | <u>MSD Qualifier</u> | RPD  | RPD Limits |
|----------|--------------------|-----------------------|-----------------|------------------|---------|----------|----------|-------------|---------------------|----------------------|------|------------|
| Analyte  | mg/kg              | mg/kg                 | mg/kg           | mg/kg            | %       | %        |          | %           |                     |                      | %    | %          |
| Chloride | 516                | 1850                  | 2410            | 2300             | 110     | 88.1     | 1        | 80.0-120    | E                   | E                    | 4.81 | 20         |

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

L1223523-01,02,03

Method Blank (MB)

(MB) R3534484-2 06/02/20 23:24

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 95.9               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534484-1 06/02/20 22:36

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.81                | 106           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 105           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1223523-08,09,10,11,12,14,15,16](#)

Method Blank (MB)

(MB) R3534476-2 06/03/20 08:03

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | 0.0483             | ⌵            | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 100                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534476-1 06/03/20 07:18

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.59                | 102           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 107           | 77.0-120         |               |

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3534476-3 06/03/20 17:31 • (MSD) R3534476-4 06/03/20 17:53

| Analyte                            | Spike Amount<br>mg/kg | Original Result | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|-----------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 129                   |                 | 80.6               | 82.7                | 76.0         | 78.0          | 25       | 10.0-151         |              |               | 2.57     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                 |                    |                     | 105          | 105           |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3534732-2 06/03/20 15:13

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 97.8               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534732-1 06/03/20 14:25

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.42                | 98.5          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 107           | 77.0-120         |               |

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3534732-3 06/04/20 00:00 • (MSD) R3534732-4 06/04/20 00:24

| Analyte                            | Spike Amount<br>mg/kg | Original Result | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|-----------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 2.58                  |                 | 1.78               | 1.84                | 82.8         | 85.6          | 1        | 10.0-151         |              |               | 3.31     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                 |                    |                     | 107          | 107           |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1223523-13](#)

Method Blank (MB)

(MB) R3534704-3 06/03/20 12:24

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 104                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534704-2 06/03/20 11:43

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.84                | 106           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 101           | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Volatile Organic Compounds (GC) by Method 8015D/GRO [L1223523-17,18,19,20,21,22](#)

Method Blank (MB)

(MB) R3534893-2 06/04/20 02:24

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 99.1               |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534893-1 06/04/20 01:36

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 4.24                | 77.1          | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 107           | 77.0-120         |               |

Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) • (MS) R3534893-3 06/04/20 12:21 • (MSD) R3534893-4 06/04/20 12:45

| Analyte                            | Spike Amount<br>mg/kg | Original Result | MS Result<br>mg/kg | MSD Result<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|------------------------------------|-----------------------|-----------------|--------------------|---------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| TPH (GC/FID) Low Fraction          | 129                   |                 | 92.9               | 64.5                | 96.5         | 67.0          | 25       | 10.0-151         |              | J3            | 36.1     | 28              |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                 |                    |                     | 108          | 109           |          | 77.0-120         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1223523-23,24,25](#)

Method Blank (MB)

(MB) R3534993-2 06/04/20 00:42

| Analyte                            | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|------------------------------------|--------------------|--------------|-----------------|-----------------|
| TPH (GC/FID) Low Fraction          | U                  |              | 0.0217          | 0.100           |
| (S)<br>a,a,a-Trifluorotoluene(FID) | 108                |              |                 | 77.0-120        |

Laboratory Control Sample (LCS)

(LCS) R3534993-1 06/04/20 00:01

| Analyte                            | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|------------------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| TPH (GC/FID) Low Fraction          | 5.50                  | 5.81                | 106           | 72.0-127         |               |
| (S)<br>a,a,a-Trifluorotoluene(FID) |                       |                     | 99.9          | 77.0-120         |               |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Method Blank (MB)

(MB) R3534611-2 06/03/20 00:05

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000467        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | U                  |              | 0.00130         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 119                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 81.1               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 111                |              |                 | 70.0-130        |

Laboratory Control Sample (LCS)

(LCS) R3534611-1 06/02/20 22:55

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.105               | 84.0          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.111               | 88.8          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.107               | 85.6          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.321               | 85.6          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 109           | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 98.3          | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 117           | 70.0-130         |               |

L1223523-20 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223523-20 06/03/20 06:52 • (MS) R3534611-3 06/03/20 07:12 • (MSD) R3534611-4 06/03/20 07:49

| Analyte                   | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.127                          | U                                 | 0.111                    | 0.161                        | 87.2         | 127           | 1        | 10.0-149         |              | J3            | 37.3     | 37              |
| Ethylbenzene              | 0.127                          | U                                 | 0.123                    | 0.120                        | 96.8         | 94.4          | 1        | 10.0-160         |              |               | 2.51     | 38              |
| Toluene                   | 0.127                          | U                                 | 0.166                    | 0.0960                       | 131          | 75.8          | 1        | 10.0-156         |              | J3            | 53.6     | 38              |
| Xylenes, Total            | 0.380                          | U                                 | 0.302                    | 0.349                        | 79.5         | 91.7          | 1        | 10.0-160         |              |               | 14.3     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 161          | 91.8          |          | 75.0-131         | J1           |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 85.1         | 101           |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 113          | 161           |          | 70.0-130         |              | J1            |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

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

[L1223523-21,22,23](#)

Method Blank (MB)

(MB) R3534502-2 06/03/20 08:47

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000467        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | U                  |              | 0.00130         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 106                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 84.7               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 96.2               |              |                 | 70.0-130        |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS)

(LCS) R3534502-1 06/03/20 07:50

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.109               | 87.2          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.101               | 80.8          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.102               | 81.6          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.283               | 75.5          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 98.6          | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 93.7          | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 109           | 70.0-130         |               |

Method Blank (MB)

(MB) R3534949-1 06/03/20 08:40

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000467        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | U                  |              | 0.00130         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 101                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 94.7               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 92.0               |              |                 | 70.0-130        |

1  
Cp

2  
Tc

3  
Ss

4  
Cn

5  
Sr

6  
Qc

7  
Gl

8  
Al

9  
Sc

Laboratory Control Sample (LCS)

(LCS) R3534949-2 06/03/20 08:59

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.113               | 90.4          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.122               | 97.6          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.106               | 84.8          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.354               | 94.4          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 94.3          | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 96.8          | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 102           | 70.0-130         |               |

L1223420-05 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223420-05 06/03/20 15:55 • (MS) R3534949-3 06/03/20 16:34 • (MSD) R3534949-4 06/03/20 16:53

| Analyte                   | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|---------------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| Benzene                   | 0.132                          | U                                 | 0.0933                   | 0.111                        | 70.9         | 84.0          | 1        | 10.0-149         |              |               | 16.9     | 37              |
| Ethylbenzene              | 0.132                          | U                                 | 0.0995                   | 0.123                        | 75.6         | 93.6          | 1        | 10.0-160         |              |               | 21.3     | 38              |
| Toluene                   | 0.132                          | U                                 | 0.0957                   | 0.112                        | 72.7         | 84.8          | 1        | 10.0-156         |              |               | 15.3     | 38              |
| Xylenes, Total            | 0.395                          | U                                 | 0.262                    | 0.315                        | 66.4         | 79.7          | 1        | 10.0-160         |              |               | 18.2     | 38              |
| (S) Toluene-d8            |                                |                                   |                          |                              | 97.8         | 98.1          |          | 75.0-131         |              |               |          |                 |
| (S) 4-Bromofluorobenzene  |                                |                                   |                          |                              | 92.4         | 92.3          |          | 67.0-138         |              |               |          |                 |
| (S) 1,2-Dichloroethane-d4 |                                |                                   |                          |                              | 81.6         | 76.7          |          | 70.0-130         |              |               |          |                 |

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

[L1223523-05](#)

Method Blank (MB)

(MB) R3534692-2 06/03/20 09:01

| Analyte                   | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|---------------------------|--------------------|--------------|-----------------|-----------------|
| Benzene                   | U                  |              | 0.000467        | 0.00100         |
| Ethylbenzene              | U                  |              | 0.000737        | 0.00250         |
| Toluene                   | U                  |              | 0.00130         | 0.00500         |
| Xylenes, Total            | U                  |              | 0.000880        | 0.00650         |
| (S) Toluene-d8            | 107                |              |                 | 75.0-131        |
| (S) 4-Bromofluorobenzene  | 73.0               |              |                 | 67.0-138        |
| (S) 1,2-Dichloroethane-d4 | 80.3               |              |                 | 70.0-130        |

<sup>1</sup> Cp

<sup>2</sup> Tc

<sup>3</sup> Ss

<sup>4</sup> Cn

<sup>5</sup> Sr

<sup>6</sup> Qc

<sup>7</sup> Gl

<sup>8</sup> Al

<sup>9</sup> Sc

Laboratory Control Sample (LCS)

(LCS) R3534692-1 06/03/20 07:45

| Analyte                   | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|---------------------------|-----------------------|---------------------|---------------|------------------|---------------|
| Benzene                   | 0.125                 | 0.111               | 88.8          | 70.0-123         |               |
| Ethylbenzene              | 0.125                 | 0.111               | 88.8          | 74.0-126         |               |
| Toluene                   | 0.125                 | 0.105               | 84.0          | 75.0-121         |               |
| Xylenes, Total            | 0.375                 | 0.286               | 76.3          | 72.0-127         |               |
| (S) Toluene-d8            |                       |                     | 93.1          | 75.0-131         |               |
| (S) 4-Bromofluorobenzene  |                       |                     | 108           | 67.0-138         |               |
| (S) 1,2-Dichloroethane-d4 |                       |                     | 94.0          | 70.0-130         |               |

Semi-Volatile Organic Compounds (GC) by Method 8015

Method Blank (MB)

(MB) R3534745-1 06/03/20 16:17

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 65.9               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3534745-2 06/03/20 16:30

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 39.6                | 79.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 90.8          | 18.0-148         |               |

L1223523-01 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223523-01 06/03/20 23:47 • (MS) R3534745-3 06/04/20 00:00 • (MSD) R3534745-4 06/04/20 00:13

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 53.4                           | 25.4                              | 70.9                     | 65.8                         | 85.2         | 75.6          | 1        | 50.0-150         |              |               | 7.50     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 67.6         | 77.2          |          | 18.0-148         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

L1223523-17,18,19,20,21,22,23,24,25

Method Blank (MB)

(MB) R3535684-1 06/05/20 13:06

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 94.4               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3535684-2 06/05/20 13:20

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 42.6                | 85.2          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 76.9          | 18.0-148         |               |

L1223523-18 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1223523-18 06/08/20 22:24 • (MS) R3536391-1 06/08/20 22:37 • (MSD) R3536391-2 06/08/20 22:51

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 51.3                           | 4.86                              | 58.7                     | 60.3                         | 105          | 109           | 1        | 50.0-150         |              |               | 2.60     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 112          | 105           |          | 18.0-148         |              |               |          |                 |

1 Cp

2 Tc

3 Ss

4 Cn

5 Sr

6 Qc

7 Gl

8 Al

9 Sc

Semi-Volatile Organic Compounds (GC) by Method 8015

L1223523-25

Method Blank (MB)

(MB) R3536639-1 06/09/20 11:39

| Analyte              | MB Result<br>mg/kg | MB Qualifier | MB MDL<br>mg/kg | MB RDL<br>mg/kg |
|----------------------|--------------------|--------------|-----------------|-----------------|
| C10-C28 Diesel Range | U                  |              | 1.61            | 4.00            |
| C28-C40 Oil Range    | U                  |              | 0.274           | 4.00            |
| (S) o-Terphenyl      | 65.5               |              |                 | 18.0-148        |

Laboratory Control Sample (LCS)

(LCS) R3536639-2 06/09/20 11:52

| Analyte              | Spike Amount<br>mg/kg | LCS Result<br>mg/kg | LCS Rec.<br>% | Rec. Limits<br>% | LCS Qualifier |
|----------------------|-----------------------|---------------------|---------------|------------------|---------------|
| C10-C28 Diesel Range | 50.0                  | 36.8                | 73.6          | 50.0-150         |               |
| (S) o-Terphenyl      |                       |                     | 61.1          | 18.0-148         |               |

L1224474-07 Original Sample (OS) • Matrix Spike (MS) • Matrix Spike Duplicate (MSD)

(OS) L1224474-07 06/09/20 19:00 • (MS) R3536639-3 06/09/20 19:14 • (MSD) R3536639-4 06/09/20 19:27

| Analyte              | Spike Amount<br>(dry)<br>mg/kg | Original Result<br>(dry)<br>mg/kg | MS Result (dry)<br>mg/kg | MSD Result<br>(dry)<br>mg/kg | MS Rec.<br>% | MSD Rec.<br>% | Dilution | Rec. Limits<br>% | MS Qualifier | MSD Qualifier | RPD<br>% | RPD Limits<br>% |
|----------------------|--------------------------------|-----------------------------------|--------------------------|------------------------------|--------------|---------------|----------|------------------|--------------|---------------|----------|-----------------|
| C10-C28 Diesel Range | 55.7                           | U                                 | 35.1                     | 39.8                         | 63.0         | 71.0          | 1        | 50.0-150         |              |               | 12.6     | 20              |
| (S) o-Terphenyl      |                                |                                   |                          |                              | 46.1         | 58.7          |          | 18.0-148         |              |               |          |                 |

1Cp

2Tc

3Ss

4Cn

5Sr

6Qc

7Gl

8Al

9Sc

## Guide to Reading and Understanding Your Laboratory Report

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

Results Disclaimer - Information that may be provided by the customer, and contained within this report, include Permit Limits, Project Name, Sample ID, Sample Matrix, Sample Preservation, Field Blanks, Field Spikes, Field Duplicates, On-Site Data, Sampling Collection Dates/Times, and Sampling Location. Results relate to the accuracy of this information provided, and as the samples are received.

### Abbreviations and Definitions

|                              |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| (dry)                        | Results are reported based on the dry weight of the sample. [this will only be present on a dry report basis for soils].                                                                                                                                                                                                                                                                                                                                                                                                   |
| MDL                          | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| MDL (dry)                    | Method Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| RDL                          | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RDL (dry)                    | Reported Detection Limit.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Rec.                         | Recovery.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| RPD                          | Relative Percent Difference.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| SDG                          | Sample Delivery Group.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| (S)                          | Surrogate (Surrogate Standard) - Analytes added to every blank, sample, Laboratory Control Sample/Duplicate and Matrix Spike/Duplicate; used to evaluate analytical efficiency by measuring recovery. Surrogates are not expected to be detected in all environmental media.                                                                                                                                                                                                                                               |
| U                            | Not detected at the Reporting Limit (or MDL where applicable).                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Analyte                      | The name of the particular compound or analysis performed. Some Analyses and Methods will have multiple analytes reported.                                                                                                                                                                                                                                                                                                                                                                                                 |
| Dilution                     | If the sample matrix contains an interfering material, the sample preparation volume or weight values differ from the standard, or if concentrations of analytes in the sample are higher than the highest limit of concentration that the laboratory can accurately report, the sample may be diluted for analysis. If a value different than 1 is used in this field, the result reported has already been corrected for this factor.                                                                                    |
| Limits                       | These are the target % recovery ranges or % difference value that the laboratory has historically determined as normal for the method and analyte being reported. Successful QC Sample analysis will target all analytes recovered or duplicated within these ranges.                                                                                                                                                                                                                                                      |
| Original Sample              | The non-spiked sample in the prep batch used to determine the Relative Percent Difference (RPD) from a quality control sample. The Original Sample may not be included within the reported SDG.                                                                                                                                                                                                                                                                                                                            |
| Qualifier                    | This column provides a letter and/or number designation that corresponds to additional information concerning the result reported. If a Qualifier is present, a definition per Qualifier is provided within the Glossary and Definitions page and potentially a discussion of possible implications of the Qualifier in the Case Narrative if applicable.                                                                                                                                                                  |
| Result                       | The actual analytical final result (corrected for any sample specific characteristics) reported for your sample. If there was no measurable result returned for a specific analyte, the result in this column may state "ND" (Not Detected) or "BDL" (Below Detectable Levels). The information in the results column should always be accompanied by either an MDL (Method Detection Limit) or RDL (Reporting Detection Limit) that defines the lowest value that the laboratory could detect or report for this analyte. |
| Uncertainty (Radiochemistry) | Confidence level of 2 sigma.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Case Narrative (Cn)          | A brief discussion about the included sample results, including a discussion of any non-conformances to protocol observed either at sample receipt by the laboratory from the field or during the analytical process. If present, there will be a section in the Case Narrative to discuss the meaning of any data qualifiers used in the report.                                                                                                                                                                          |
| Quality Control Summary (Qc) | This section of the report includes the results of the laboratory quality control analyses required by procedure or analytical methods to assist in evaluating the validity of the results reported for your samples. These analyses are not being performed on your samples typically, but on laboratory generated material.                                                                                                                                                                                              |
| Sample Chain of Custody (Sc) | This is the document created in the field when your samples were initially collected. This is used to verify the time and date of collection, the person collecting the samples, and the analyses that the laboratory is requested to perform. This chain of custody also documents all persons (excluding commercial shippers) that have had control or possession of the samples from the time of collection until delivery to the laboratory for analysis.                                                              |
| Sample Results (Sr)          | This section of your report will provide the results of all testing performed on your samples. These results are provided by sample ID and are separated by the analyses performed on each sample. The header line of each analysis section for each sample will provide the name and method number for the analysis reported.                                                                                                                                                                                             |
| Sample Summary (Ss)          | This section of the Analytical Report defines the specific analyses performed for each sample ID, including the dates and times of preparation and/or analysis.                                                                                                                                                                                                                                                                                                                                                            |

| Qualifier | Description                                                                                                                                 |
|-----------|---------------------------------------------------------------------------------------------------------------------------------------------|
| B         | The same analyte is found in the associated blank.                                                                                          |
| E         | The analyte concentration exceeds the upper limit of the calibration range of the instrument established by the initial calibration (ICAL). |
| J         | The identification of the analyte is acceptable; the reported value is an estimate.                                                         |
| J1        | Surrogate recovery limits have been exceeded; values are outside upper control limits.                                                      |
| J2        | Surrogate recovery limits have been exceeded; values are outside lower control limits.                                                      |
| J3        | The associated batch QC was outside the established quality control range for precision.                                                    |
| Q         | Sample was prepared and/or analyzed past holding time as defined in the method. Concentrations should be considered minimum values.         |

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

Pace National is the only environmental laboratory accredited/certified to support your work nationwide from one location. One phone call, one point of contact, one laboratory. No other lab is as accessible or prepared to handle your needs throughout the country. Our capacity and capability from our single location laboratory is comparable to the collective totals of the network laboratories in our industry. The most significant benefit to our one location design is the design of our laboratory campus. The model is conducive to accelerated productivity, decreasing turn-around time, and preventing cross contamination, thus protecting sample integrity. Our focus on premium quality and prompt service allows us to be YOUR LAB OF CHOICE.

\* Not all certifications held by the laboratory are applicable to the results reported in the attached report.

\* Accreditation is only applicable to the test methods specified on each scope of accreditation held by Pace National.

State Accreditations

|                         |             |                             |                  |
|-------------------------|-------------|-----------------------------|------------------|
| Alabama                 | 40660       | Nebraska                    | NE-OS-15-05      |
| Alaska                  | 17-026      | Nevada                      | TN-03-2002-34    |
| Arizona                 | AZ0612      | New Hampshire               | 2975             |
| Arkansas                | 88-0469     | New Jersey–NELAP            | TN002            |
| California              | 2932        | New Mexico <sup>1</sup>     | n/a              |
| Colorado                | TN00003     | New York                    | 11742            |
| Connecticut             | PH-0197     | North Carolina              | Env375           |
| Florida                 | E87487      | North Carolina <sup>1</sup> | DW21704          |
| Georgia                 | NELAP       | North Carolina <sup>3</sup> | 41               |
| Georgia <sup>1</sup>    | 923         | North Dakota                | R-140            |
| Idaho                   | TN00003     | Ohio–VAP                    | CL0069           |
| Illinois                | 200008      | Oklahoma                    | 9915             |
| Indiana                 | C-TN-01     | Oregon                      | TN2000002        |
| Iowa                    | 364         | Pennsylvania                | 68-02979         |
| Kansas                  | E-10277     | Rhode Island                | LA000356         |
| Kentucky <sup>1 6</sup> | 90010       | South Carolina              | 84004            |
| Kentucky <sup>2</sup>   | 16          | South Dakota                | n/a              |
| Louisiana               | AI30792     | Tennessee <sup>1 4</sup>    | 2006             |
| Louisiana <sup>1</sup>  | LA180010    | Texas                       | T104704245-18-15 |
| Maine                   | TN0002      | Texas <sup>5</sup>          | LAB0152          |
| Maryland                | 324         | Utah                        | TN00003          |
| Massachusetts           | M-TN003     | Vermont                     | VT2006           |
| Michigan                | 9958        | Virginia                    | 460132           |
| Minnesota               | 047-999-395 | Washington                  | C847             |
| Mississippi             | TN00003     | West Virginia               | 233              |
| Missouri                | 340         | Wisconsin                   | 9980939910       |
| Montana                 | CERT0086    | Wyoming                     | A2LA             |

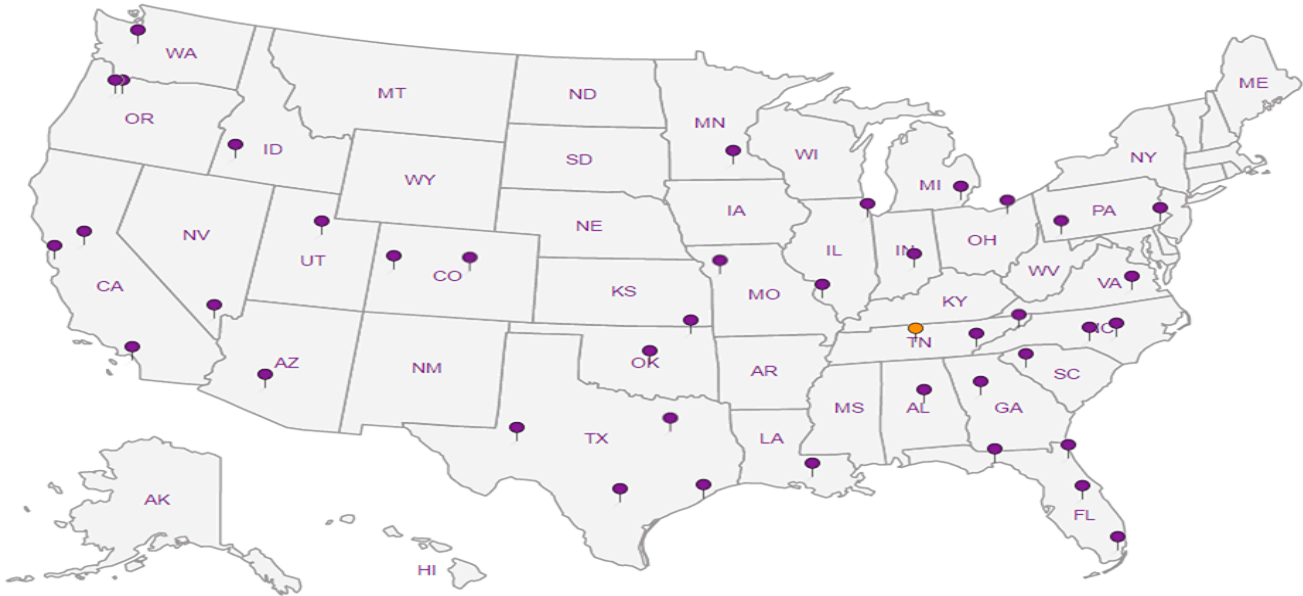
Third Party Federal Accreditations

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

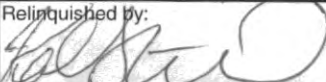
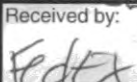
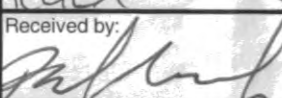
<sup>1</sup> Drinking Water   <sup>2</sup> Underground Storage Tanks   <sup>3</sup> Aquatic Toxicity   <sup>4</sup> Chemical/Microbiological   <sup>5</sup> Mold   <sup>6</sup> Wastewater   n/a Accreditation not applicable

Our Locations

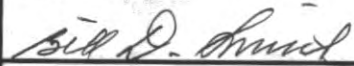
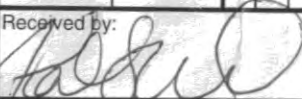
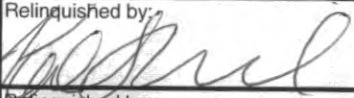
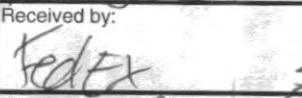
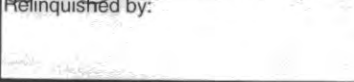
Pace National has sixty-four client support centers that provide sample pickup and/or the delivery of sampling supplies. If you would like assistance from one of our support offices, please contact our main office. Pace National performs all testing at our central laboratory.



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|                                                                                                                               |                                   |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
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|  <b>Tetra Tech, Inc.</b>                     |                                   |           |                                      | 901 West Wall Street, Suite 100<br>Midland, Texas 79701<br>Tel (432) 682-4559<br>Fax (432) 682-3946                         |                |                     |      | 1084                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| Client Name: Conoco Phillips                                                                                                  |                                   |           |                                      | Site Manager: Christian Llull                                                                                               |                |                     |      | <b>ANALYSIS REQUEST</b><br>(Circle or Specify Method No.)<br><br><table border="1"><tr><td>TPH TX1005 (Ext to C35)</td><td>TPH 8015M (GRO - DRO - ORO - MRO)</td><td>PAH 8270C</td><td>Total Metals Ag As Ba Cd Cr Pb Se Hg</td><td>TCLP Metals Ag As Ba Cd Cr Pb Se Hg</td><td>TCLP Volatiles</td><td>TCLP Semi Volatiles</td><td>RCI</td><td>GC/MS Vol. 8260B / 624</td><td>GC/MS Semi. Vol. 8270C/625</td><td>PCB's 8082 / 608</td><td>NORM</td><td>PLM (Asbestos)</td><td>Chloride 300.0</td><td>Chloride Sulfate TDS</td><td>General Water Chemistry (see attached list)</td><td>Anion/Cation Balance</td><td>TPH 8015R</td><td>HOLD</td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr><tr><td>X</td><td>X</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td>X</td><td></td><td></td><td></td><td></td><td></td></tr></table> |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  | 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 | X | X |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  | X | X |  |  |  |  |  |  |  |  |  |  |  | X |  |  |  |  |  |
| 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             |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| X                                                                                                                             | X                                 |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     | X              |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| X                                                                                                                             | X                                 |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     | X              |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| X                                                                                                                             | X                                 |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     | X              |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| X                                                                                                                             | X                                 |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               | X              |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| X                                                                                                                             | X                                 |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               | X              |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| X                                                                                                                             | X                                 |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               | X              |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| X                                                                                                                             | X                                 |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               | X              |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| X                                                                                                                             | X                                 |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               | X              |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| Project Name: EVGSAU 3366-029                                                                                                 |                                   |           |                                      | Contact Info: Email: christian.llull@tetratech.com<br>Phone: (512) 338-1667                                                 |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| Project Location: (county, state) Lea County, New Mexico                                                                      |                                   |           |                                      | Project #: 212C-MD-01576                                                                                                    |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| Invoice to: Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701                                          |                                   |           |                                      | Sampler Signature: Joe Tyler                                                                                                |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| Receiving Laboratory: Pace Analytical                                                                                         |                                   |           |                                      | Comments: COPTETRA Acctnum                                                                                                  |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| LAB #<br>(LAB USE ONLY)                                                                                                       | SAMPLE IDENTIFICATION             |           |                                      | SAMPLING<br>YEAR: 2020                                                                                                      |                | MATRIX              |      | PRESERVATIVE METHOD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |                  |     |      | # CONTAINERS                                                                                                                                                                                                                                  | FILTERED (Y/N) |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|                                                                                                                               |                                   |           |                                      | DATE                                                                                                                        | TIME           | WATER               | SOIL | HCL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | HNO <sub>3</sub> | ICE | NONE |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|                                                                                                                               | BH-20-1 (0'-1')                   |           |                                      | 05/20/20                                                                                                                    | 1400           | X                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | X                |     |      |                                                                                                                                                                                                                                               |                | 1 | N | X | X |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|                                                                                                                               | BH-20-1 (2'-3')                   |           |                                      | 05/20/20                                                                                                                    | 1405           | X                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | X                |     |      |                                                                                                                                                                                                                                               |                | 1 | N | X | X |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|                                                                                                                               | BH-20-1 (4'-5') ✓                 |           |                                      | 05/20/20                                                                                                                    | 1410           | X                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | X                |     |      |                                                                                                                                                                                                                                               |                | 1 | N | X | X |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|                                                                                                                               | BH-20-1 (6'-7')                   |           |                                      | 05/20/20                                                                                                                    | 1415           | X                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | X                |     |      |                                                                                                                                                                                                                                               |                | 1 | N | X | X |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|                                                                                                                               | BH-20-1 (9'-10')                  |           |                                      | 05/20/20                                                                                                                    | 1420           | X                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | X                |     |      |                                                                                                                                                                                                                                               |                | 1 | N | X | X |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|                                                                                                                               | BH-20-1 (14'-15')                 |           |                                      | 05/20/20                                                                                                                    | 1430           | X                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | X                |     |      |                                                                                                                                                                                                                                               |                | 1 | N | X | X |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|                                                                                                                               | BH-20-2 (0'-1')                   |           |                                      | 05/20/20                                                                                                                    | 1450           | X                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | X                |     |      |                                                                                                                                                                                                                                               |                | 1 | N | X | X |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
|                                                                                                                               | BH-20-2 (2'-3')                   |           |                                      | 05/20/20                                                                                                                    | 1500           | X                   |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     | X                |     |      |                                                                                                                                                                                                                                               |                | 1 | N | X | X |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| BH-20-2 (4'-5') ✓                                                                                                             |                                   |           | 05/20/20                             | 1505                                                                                                                        | X              |                     |      | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |     | 1    | N                                                                                                                                                                                                                                             | X              | X |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| BH-20-2 (6'-7')                                                                                                               |                                   |           | 05/20/20                             | 1510                                                                                                                        | X              |                     |      | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |                  |     | 1    | N                                                                                                                                                                                                                                             | X              | X |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| Relinquished by:  Date: 5/28/20 Time: 12:30 |                                   |           |                                      | Received by:  Date: 5/28/20 Time: 12:30 |                |                     |      | LAB USE ONLY<br><br>Sample Temperature<br>1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |                  |     |      | REMARKS:<br><input checked="" type="checkbox"/> Standard<br><input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| Relinquished by:  Date: 5/28/20 Time: 16:00 |                                   |           |                                      | Received by:  Date: 5/28/20 Time: 16:00  |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| Relinquished by: _____ Date: _____ Time: _____                                                                                |                                   |           |                                      | Received by:  Date: 5/28/20 Time: 0900  |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   |                                                     |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |
| ORIGINAL COPY<br>1710 30302905                                                                                                |                                   |           |                                      |                                                                                                                             |                |                     |      |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |                  |     |      |                                                                                                                                                                                                                                               |                |   |   |   |   | (Circle) HAND DELIVERED FEDEX UPS Tracking #: _____ |  |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |   |   |  |  |  |  |  |  |  |  |  |  |  |   |  |  |  |  |  |

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|-------------------------------------------------------------------------------------------------------------------------------|------------|-------------------------|-----------------------------------|-----------------------------------------------------------------------------------------------------------------------------|--------------------------------------|-------------------------------------|----------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|--|--|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------|--|--|--|--|--|-----------------------------------------------------|------------|-------------------------|-----------------------------------|------------------|--------------------------------------|-------------------------------------|----------------|----------------------|---------------------------------------------|------------------------|----------------------------|------------------|------|----------------|----------------|----------------------|---------------------------------------------|----------------------|-----------|------|
|                                              |            |                         |                                   | <b>Tetra Tech, Inc.</b>                                                                                                     |                                      |                                     |                | 901 West Wall Street, Suite 100<br>Midland, Texas 79701<br>Tel (432) 682-4559<br>Fax (432) 682-3946                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| Client Name: Conoco Phillips                                                                                                  |            |                         |                                   | Site Manager: Christian Llull                                                                                               |                                      |                                     |                | <b>ANALYSIS REQUEST</b><br>(Circle or Specify Method No.)<br><table border="1"><tr><td>BTEX 8021B</td><td>BTEX 8260B</td><td>TPH TX1005 (Ext to C35)</td><td>TPH 8015M (GRO - DRO - ORO - MRO)</td><td>PAH 8270C</td><td>Total Metals Ag As Ba Cd Cr Pb Se Hg</td><td>TCLP Metals Ag As Ba Cd Cr Pb Se Hg</td><td>TCLP Volatiles</td><td>TCLP Semi Volatiles</td><td>RCI</td><td>GC/MS Vol. 8260B / 624</td><td>GC/MS Semi. Vol. 8270C/625</td><td>PCB's 8082 / 608</td><td>NORM</td><td>PLM (Asbestos)</td><td>Chloride 300.0</td><td>Chloride Sulfate TDS</td><td>General Water Chemistry (see attached list)</td><td>Anion/Cation Balance</td><td>TPH 8015R</td><td>HOLD</td></tr></table> |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  | 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 |
| 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             |      |                |                |                      |                                             |                      |           |      |
| Project Name: EVGSAU 3366-029                                                                                                 |            |                         |                                   | Contact Info: Email: christian.llull@tetrattech.com<br>Phone: (512) 338-1667                                                |                                      |                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| Project Location: (county, state) Lea County, New Mexico                                                                      |            |                         |                                   | Project #: 212C-MD-01576                                                                                                    |                                      |                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| Invoice to: Accounts Payable<br>901 West Wall Street, Suite 100 Midland, Texas 79701                                          |            |                         |                                   |                                                                                                                             |                                      |                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| Receiving Laboratory: Pace Analytical                                                                                         |            |                         |                                   | Sampler Signature: Joe Tyler                                                                                                |                                      |                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| Comments: COPTETRA Acctnum                                                                                                    |            |                         |                                   |                                                                                                                             |                                      |                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| LAB #<br>(LAB USE ONLY)                                                                                                       |            | SAMPLE IDENTIFICATION   |                                   | SAMPLING<br>YEAR: 2020                                                                                                      |                                      | MATRIX                              |                | PRESERVATIVE METHOD                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |  |  |  | # CONTAINERS                                                                                                                                                                                                                                  |  | FILTERED (Y/N) |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            |                         |                                   | DATE TIME                                                                                                                   |                                      | WATER SOIL                          |                | HCL HNO <sub>3</sub> ICE NONE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-2 (9'-10')        |                                   | 05/20/20 1520                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-2 (14'-15')       |                                   | 05/20/20 1530                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-2 (19'-20')       |                                   | 05/20/20 1540                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-2 (24'-25')       |                                   | 05/20/20 1550                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-2 (29'-30')       |                                   | 05/20/20 1610                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-2 (39'-40')       |                                   | 05/20/20 1630                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-3 (0'-1')         |                                   | 05/21/20 1000                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-3 (2'-3')         |                                   | 05/21/20 1005                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-3 (4'-5')         |                                   | 05/21/20 1010                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
|                                                                                                                               |            | BH-20-4 (0'-1')         |                                   | 05/21/20 1040                                                                                                               |                                      | X                                   |                | X                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |  |  |  | 1 N                                                                                                                                                                                                                                           |  | X X            |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| Relinquished by:  Date: 5/28/20 Time: 12:30 |            |                         |                                   | Received by:  Date: 5/28/20 Time: 12:30 |                                      |                                     |                | LAB USE ONLY                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |  |  |  | REMARKS:<br><input checked="" type="checkbox"/> Standard<br><input type="checkbox"/> RUSH: Same Day 24 hr. 48 hr. 72 hr.<br><input type="checkbox"/> Rush Charges Authorized<br><input type="checkbox"/> Special Report Limits or TRRP Report |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| Relinquished by:  Date: 5/28/20 Time: 10:00 |            |                         |                                   | Received by:  Date: 5/28/20 Time: 10:00 |                                      |                                     |                | Sample Temperature<br>1.0                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| Relinquished by:  Date: 5/29/20 Time: 09:00 |            |                         |                                   | Received by:  Date: 5/29/20 Time: 09:00 |                                      |                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  |                                                     |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |
| ORIGINAL COPY<br>179030302905                                                                                                 |            |                         |                                   |                                                                                                                             |                                      |                                     |                |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |  |  |  |                                                                                                                                                                                                                                               |  |                |  |  |  |  |  | (Circle) HAND DELIVERED FEDEX UPS Tracking #: _____ |            |                         |                                   |                  |                                      |                                     |                |                      |                                             |                        |                            |                  |      |                |                |                      |                                             |                      |           |      |

ORIGINAL COPY

Pace Analytical National Center for Testing & Innovation  
Cooler Receipt Form

|                                                                                              |  |                 |     |    |
|----------------------------------------------------------------------------------------------|--|-----------------|-----|----|
| Client: COPTETRA                                                                             |  | L1223523        |     |    |
| Cooler Received/Opened On: 5 / 29 / 20                                                       |  | Temperature: 10 |     |    |
| Received By: Paul Minnich                                                                    |  |                 |     |    |
| Signature:  |  |                 |     |    |
|                                                                                              |  |                 |     |    |
| Receipt Check List                                                                           |  | NP              | Yes | No |
| COC Seal Present / Intact?                                                                   |  | ✓               |     |    |
| COC Signed / Accurate?                                                                       |  |                 | ✓   |    |
| Bottles arrive intact?                                                                       |  |                 | ✓   |    |
| Correct bottles used?                                                                        |  |                 | ✓   |    |
| Sufficient volume sent?                                                                      |  |                 | ✓   |    |
| If Applicable:                                                                               |  |                 |     |    |
| VOA Zero headspace?                                                                          |  |                 |     |    |
| Preservation Correct / Checked?                                                              |  |                 |     |    |

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## **ATTACHMENT 5 – MAVERICK REMEDIATION LABORATORY DATA**



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

---

January 09, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EVGSAU 3366-029 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/05/24 9:36.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 1 (4.0') (H240044-01)**

| BTX 8021B      |        |                 | mg/kg      |              | Analyzed By: JH |            |               |        |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND           | 2.19            | 110        | 2.00          | 0.222  |           |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND           | 2.15            | 108        | 2.00          | 0.186  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND           | 2.14            | 107        | 2.00          | 0.131  |           |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND           | 6.27            | 105        | 6.00          | 0.0257 |           |
| Total BTX      | <0.300 | 0.300           | 01/05/2024 | ND           |                 |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: HM |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1020   | 16.0            | 01/05/2024 | ND           | 432             | 108        | 400           | 3.64 |           |

| TPH 8015M        |        |                 | mg/kg      |              | Analyzed By: MS |            |               |      |           |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/08/2024 | ND           | 176             | 87.9       | 200           | 8.79 |           |
| DRO >C10-C28*    | 16.7   | 10.0            | 01/08/2024 | ND           | 180             | 89.9       | 200           | 6.34 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/08/2024 | ND           |                 |            |               |      |           |

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 2 (4.0') (H240044-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.19 | 110        | 2.00          | 0.222  |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.15 | 108        | 2.00          | 0.186  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.131  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.27 | 105        | 6.00          | 0.0257 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |        |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.4 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 352    | 16.0            | 01/05/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 176 | 87.9       | 200           | 8.79 |           |
| DRO >C10-C28*    | 11.8   | 10.0            | 01/05/2024 | ND              | 180 | 89.9       | 200           | 6.34 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 130 % 48.2-134

Surrogate: 1-Chlorooctadecane 145 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 3 (4.0') (H240044-03)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.19 | 110        | 2.00          | 0.222  |           |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.15 | 108        | 2.00          | 0.186  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.131  |           |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.27 | 105        | 6.00          | 0.0257 |           |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |        |           |

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 256    | 16.0            | 01/05/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |  |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|--|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |  |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  | QM-07     |  |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |  |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |  |

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 4 (4.0') (H240044-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.19 | 110        | 2.00          | 0.222  |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.15 | 108        | 2.00          | 0.186  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.131  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.27 | 105        | 6.00          | 0.0257 |           |  |
| Total BTEx     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |        |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.3 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 736    | 16.0            | 01/05/2024 | ND              | 432 | 108        | 400           | 3.64 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 133 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 5 (4.0') (H240044-05)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.19 | 110        | 2.00          | 0.222  |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.15 | 108        | 2.00          | 0.186  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.131  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.27 | 105        | 6.00          | 0.0257 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |        |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.0 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2320   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 | QM-07     |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 6 (4.0') (H240044-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.19 | 110        | 2.00          | 0.222  |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.15 | 108        | 2.00          | 0.186  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.131  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.27 | 105        | 6.00          | 0.0257 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |        |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.0 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1790   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | 15.3   | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 7 (4.0') (H240044-07)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.19 | 110        | 2.00          | 0.222  |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.15 | 108        | 2.00          | 0.186  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.131  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.27 | 105        | 6.00          | 0.0257 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |        |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.4 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 3480   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 132 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 8 (4.0') (H240044-08)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.19 | 110        | 2.00          | 0.222  |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.15 | 108        | 2.00          | 0.186  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.131  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.27 | 105        | 6.00          | 0.0257 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |        |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1940   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 9 (4.0') (H240044-09)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.19 | 110        | 2.00          | 0.222  |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.15 | 108        | 2.00          | 0.186  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.131  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.27 | 105        | 6.00          | 0.0257 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |        |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.7 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 4520   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 10 (4.0') (H240044-10)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |        |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|--------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD    | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.19 | 110        | 2.00          | 0.222  |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.15 | 108        | 2.00          | 0.186  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.14 | 107        | 2.00          | 0.131  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.27 | 105        | 6.00          | 0.0257 |           |  |
| Total BTEx     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |        |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 96.7 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 3520   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 120 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 11 (4.0') (H240044-11)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.23 | 112        | 2.00          | 0.923 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.25 | 112        | 2.00          | 1.33  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.24 | 112        | 2.00          | 1.39  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.74 | 112        | 6.00          | 0.816 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2560   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/08/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/08/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/08/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 123 % 48.2-134

Surrogate: 1-Chlorooctadecane 138 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 12 (4.0') (H240044-12)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.23 | 112        | 2.00          | 0.923 |           |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.25 | 112        | 2.00          | 1.33  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.24 | 112        | 2.00          | 1.39  |           |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.74 | 112        | 6.00          | 0.816 |           |
| Total BTEx     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2400   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 128 % 48.2-134

Surrogate: 1-Chlorooctadecane 147 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 13 (4.0') (H240044-13)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.23 | 112        | 2.00          | 0.923 |           |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.25 | 112        | 2.00          | 1.33  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.24 | 112        | 2.00          | 1.39  |           |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.74 | 112        | 6.00          | 0.816 |           |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 2280   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: FS - 14 (4.0') (H240044-14)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.23 | 112        | 2.00          | 0.923 |           |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.25 | 112        | 2.00          | 1.33  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.24 | 112        | 2.00          | 1.39  |           |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.74 | 112        | 6.00          | 0.816 |           |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2360   | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 140 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: SW - 1 (H240044-15)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.23 | 112        | 2.00          | 0.923 |           |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.25 | 112        | 2.00          | 1.33  |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.24 | 112        | 2.00          | 1.39  |           |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.74 | 112        | 6.00          | 0.816 |           |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |       |           |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 352    | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/08/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/08/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/08/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 137 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                 |
|-------------------|----------------------------------|---------------------|-----------------|
| Received:         | 01/05/2024                       | Sampling Date:      | 01/04/2024      |
| Reported:         | 01/09/2024                       | Sampling Type:      | Soil            |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact   |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Dionica Hinojos |
| Project Location: | MAVERICK - LEA CO NM             |                     |                 |

**Sample ID: SW - 2 (H240044-16)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |       |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|-------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD   | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.23 | 112        | 2.00          | 0.923 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/05/2024 | ND              | 2.25 | 112        | 2.00          | 1.33  |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/05/2024 | ND              | 2.24 | 112        | 2.00          | 1.39  |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/05/2024 | ND              | 6.74 | 112        | 6.00          | 0.816 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/05/2024 | ND              |      |            |               |       |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 320    | 16.0            | 01/05/2024 | ND              | 416 | 104        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/05/2024 | ND              | 181 | 90.7       | 200           | 1.32  |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/05/2024 | ND              | 191 | 95.4       | 200           | 0.846 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/05/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 127 % 49.1-148

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager

# Tetra Tech, Inc.

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

Maverick Natural Resources

Site Manager:

Chuck Terhune

EV/GSAU 3366-29 Flowline Release

281-755-8965

[chuck.terhune@tetratech.com](mailto:chuck.terhune@tetratech.com)

Lea County, NM

Project #:

212C-MD-03313

Attn: Chuck Terhune

Laboratory:

Cardinal Labs

Sampler Signature:

Jorge Fernandez

## SAMPLE IDENTIFICATION

| JSE<br>Y | #  | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |  | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST                     |
|----------|----|-----------------------|----------|------|--------|------|---------------------|------------------|-----|--|--------------|----------------|--------------------------------------|
|          |    |                       | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE |  |              |                |                                      |
|          | 1  | FS-1 (4.0')           | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | BTEX 8021B BTEX 8260B                |
|          | 2  | FS-2 (4.0')           | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | TPH TX1005 (Ext to C35)              |
|          | 3  | FS-3 (4.0')           | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | TPH 8015M ( GRO - DRO - ORO - MRO)   |
|          | 4  | FS-4 (4.0')           | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | PAH 8270C                            |
|          | 5  | FS-5 (4.0')           | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | Total Metals Ag As Ba Cd Cr Pb Se Hg |
|          | 6  | FS-6 (4.0')           | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | TCLP Metals Ag As Ba Cd Cr Pb Se Hg  |
|          | 7  | FS-7 (4.0')           | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | TCLP Volatiles                       |
|          | 8  | FS-8 (4.0')           | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | TCLP Semi Volatiles                  |
|          | 9  | FS-9 (4.0')           | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | RCI                                  |
|          | 10 | FS-10 (4.0')          | 1/4/2024 |      | X      |      |                     |                  | X   |  |              |                | GC/MS Vol. 8260B / 624               |

Date: Time:

Received by:

Date: Time:

Sample Temperature

REMARKS: Standard TAT

LAB USE ONLY

Special Report Limits or TRRP Report

ANALYSIS REQUEST  
(Circle or Specify Method No.)

# Tetra Tech, Inc.



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

Page 250 of 302

Maverick Natural Resources

Site Manager:

Chuck Terhune

EVGSAU 3366-29 Flowline Release

281-755-8965

[chuck.terhune@tetratech.com](mailto:chuck.terhune@tetratech.com)

Lea County, NM

Project #:

212C-MD-03313

Attn: Chuck Terhune

Laboratory:

Sampler Signature:

Jorge Fernandez

Cardinal Labs

IS:

## SAMPLE IDENTIFICATION

| I # | USE | YEAR | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  |     |  | # CONTAINERS | FILTERED (Y/N) |
|-----|-----|------|----------|------|--------|------|---------------------|------------------|-----|--|--------------|----------------|
|     |     |      | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE |  |              |                |
| 11  |     |      | 1/4/2024 |      | X      |      |                     | X                |     |  |              |                |
| 12  |     |      | 1/4/2024 |      | X      |      |                     | X                |     |  |              |                |
| 13  |     |      | 1/4/2024 |      | X      |      |                     | X                |     |  |              |                |
| 14  |     |      | 1/4/2024 |      | X      |      |                     | X                |     |  |              |                |
| 15  |     |      | 1/4/2024 |      | X      |      |                     | X                |     |  |              |                |
| 16  |     |      | 1/4/2024 |      | X      |      |                     | X                |     |  |              |                |

## ANALYSIS REQUEST

(Circle or Specify Method No.)

|                                             |            |
|---------------------------------------------|------------|
| 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                                    |            |
| Chloride Sulfate TDS                        |            |
| General Water Chemistry (see attached list) |            |
| Anion/Cation Balance                        |            |

Received by: 1-5-24 Date: 1-5-24 Time: 9:36

Received by: 1/5/24 Date: 1/5/24 Time: 9:36

## LAB USE ONLY

Sample Temperature

-3.30c

REMARKS: Standard TAT

☒ RUSH: Same Day 24 hr 48 hr

☐ Rush Charges Authorized

☐ Special Report Limits or TRRP Report

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



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

---

January 15, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EVGSAU 3366-029 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/11/24 11:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/11/2024                       | Sampling Date:      | 01/10/2024     |
| Reported:         | 01/15/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: FS - 19 (4.0') (H240122-01)**

| BTEX 8021B     |        |                 | mg/kg      |              | Analyzed By: JH |            |               |      |           |
|----------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/11/2024 | ND           | 2.00            | 99.8       | 2.00          | 4.12 |           |
| Toluene*       | <0.050 | 0.050           | 01/11/2024 | ND           | 2.10            | 105        | 2.00          | 3.21 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/11/2024 | ND           | 2.11            | 106        | 2.00          | 3.46 |           |
| Total Xylenes* | <0.150 | 0.150           | 01/11/2024 | ND           | 6.35            | 106        | 6.00          | 2.98 |           |
| Total BTEX     | <0.300 | 0.300           | 01/11/2024 | ND           |                 |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

| Chloride, SM4500Cl-B |        |                 | mg/kg      |              | Analyzed By: CT |            |               |      |           |
|----------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3920   | 16.0            | 01/11/2024 | ND           | 432             | 108        | 400           | 0.00 |           |

| TPH 8015M        |        |                 | mg/kg      |              | Analyzed By: MS |            |               |       |           |
|------------------|--------|-----------------|------------|--------------|-----------------|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank | BS              | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/11/2024 | ND           | 199             | 99.7       | 200           | 0.331 |           |
| DRO >C10-C28*    | 20.0   | 10.0            | 01/11/2024 | ND           | 200             | 100        | 200           | 4.24  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/11/2024 | ND           |                 |            |               |       |           |

Surrogate: 1-Chlorooctane 85.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/11/2024                       | Sampling Date:      | 01/10/2024     |
| Reported:         | 01/15/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: SW - 7 (H240122-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/11/2024 | ND              | 2.00 | 99.8       | 2.00          | 4.12 |           |
| Toluene*       | <0.050 | 0.050           | 01/11/2024 | ND              | 2.10 | 105        | 2.00          | 3.21 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/11/2024 | ND              | 2.11 | 106        | 2.00          | 3.46 |           |
| Total Xylenes* | <0.150 | 0.150           | 01/11/2024 | ND              | 6.35 | 106        | 6.00          | 2.98 |           |
| Total BTEx     | <0.300 | 0.300           | 01/11/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 272    | 16.0            | 01/11/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/11/2024 | ND              | 199 | 99.7       | 200           | 0.331 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/11/2024 | ND              | 200 | 100        | 200           | 4.24  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/11/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/11/2024                       | Sampling Date:      | 01/10/2024     |
| Reported:         | 01/15/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: SW - 8 (H240122-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/11/2024 | ND              | 2.00 | 99.8       | 2.00          | 4.12 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/11/2024 | ND              | 2.10 | 105        | 2.00          | 3.21 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/11/2024 | ND              | 2.11 | 106        | 2.00          | 3.46 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/11/2024 | ND              | 6.35 | 106        | 6.00          | 2.98 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/11/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: CT |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 448    | 16.0            | 01/11/2024 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |       |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|-------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD   | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/11/2024 | ND              | 199 | 99.7       | 200           | 0.331 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/11/2024 | ND              | 200 | 100        | 200           | 4.24  |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/11/2024 | ND              |     |            |               |       |           |

Surrogate: 1-Chlorooctane 86.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 80.0 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

- ND Analyte NOT DETECTED at or above the reporting limit
- RPD Relative Percent Difference
- \*\* Samples not received at proper temperature of 6°C or below.
- \*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager

# Tetra Tech, Inc.

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

Client: **Maverick Natural Resources** Site Manager: **Chuck Terhune**

Project #: **281-755-8965**

Location: **Lea County, NM** Project #: **212C-MD-03313**

Attn: **Chuck Terhune**

Laboratory: **Cardinal Labs** Sampler Signature: **Jorge Fernandez**

## SAMPLE IDENTIFICATION

|                       |  |            |  |                     |  |
|-----------------------|--|------------|--|---------------------|--|
| H24 0122              |  | I#         |  | ISE                 |  |
| SAMPLE IDENTIFICATION |  |            |  |                     |  |
| DATE                  |  | YEAR: 2023 |  | SAMPLING            |  |
| TIME                  |  |            |  |                     |  |
| WATER                 |  | MATRIX     |  | PRESERVATIVE METHOD |  |
| SOIL                  |  |            |  |                     |  |
| HCL                   |  |            |  |                     |  |
| HNO <sub>3</sub>      |  |            |  |                     |  |
| ICE                   |  |            |  |                     |  |
| # CONTAINERS          |  |            |  |                     |  |
| FILTERED (Y/N)        |  |            |  |                     |  |
| BTX 8021B BTX         |  |            |  |                     |  |
| TPH TX1005 (Ext to C  |  |            |  |                     |  |
| TPH 8015M ( GRO - D   |  |            |  |                     |  |
| PAH 8270C             |  |            |  |                     |  |
| Total Metals Ag As Ba |  |            |  |                     |  |
| TCPLP Metals Ag As Ba |  |            |  |                     |  |
| TCPLP Volatiles       |  |            |  |                     |  |
| TCPLP Semi Volatiles  |  |            |  |                     |  |
| RCI                   |  |            |  |                     |  |
| GC/MS Vol. 8260B / 6  |  |            |  |                     |  |
| GC/MS Semi. Vol. 827  |  |            |  |                     |  |
| PCB's 8082 / 608      |  |            |  |                     |  |
| NORM                  |  |            |  |                     |  |
| PLM (Asbestos)        |  |            |  |                     |  |
| Chloride              |  |            |  |                     |  |
| Chloride Sulfate      |  |            |  |                     |  |
| General Water Chem    |  |            |  |                     |  |
| Anion/Cation Balance  |  |            |  |                     |  |

|   |              |           |  |  |  |   |  |  |  |   |  |  |
|---|--------------|-----------|--|--|--|---|--|--|--|---|--|--|
| 1 | FS-19 (4.0') | 1/10/2024 |  |  |  | X |  |  |  | X |  |  |
| 2 | SW-7         | 1/10/2024 |  |  |  | X |  |  |  | X |  |  |
| 3 | SW-8         | 1/10/2024 |  |  |  | X |  |  |  | X |  |  |

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

- 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
- Chloride Sulfate TDS
- General Water Chemistry (see attached list)
- Anion/Cation Balance

Received by: **1-11-24** Date: **1145** Time: **1145**

Received by: **1-11-24** Date: **1145** Time: **1145**

LAB USE ONLY

Sample Temperature  
**8.5°C**

#140

REMARKS: Standard TAT

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



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

January 16, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EVGSAU 3366-029 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/15/24 11:24.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/15/2024                       | Sampling Date:      | 01/12/2024     |
| Reported:         | 01/16/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: FS - 15 ( 4.0' ) (H240158-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 3.29 |           |
| Toluene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 2.00 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/15/2024 | ND              | 2.06 | 103        | 2.00          | 2.45 |           |
| Total Xylenes* | <0.150 | 0.150           | 01/15/2024 | ND              | 6.09 | 102        | 6.00          | 2.58 |           |
| Total BTEX     | <0.300 | 0.300           | 01/15/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 896    | 16.0            | 01/15/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/15/2024 | ND              | 178 | 88.9       | 200           | 3.49 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/15/2024 | ND              | 163 | 81.7       | 200           | 4.28 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/15/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.5 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/15/2024                       | Sampling Date:      | 01/12/2024     |
| Reported:         | 01/16/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: FS - 16 ( 4.0' ) (H240158-02)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 3.29 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 2.00 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/15/2024 | ND              | 2.06 | 103        | 2.00          | 2.45 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/15/2024 | ND              | 6.09 | 102        | 6.00          | 2.58 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/15/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 864    | 16.0            | 01/15/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/15/2024 | ND              | 178 | 88.9       | 200           | 3.49 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/15/2024 | ND              | 163 | 81.7       | 200           | 4.28 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/15/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.1 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/15/2024                       | Sampling Date:      | 01/12/2024     |
| Reported:         | 01/16/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: FS - 17 ( 4.0' ) (H240158-03)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 3.29 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 2.00 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/15/2024 | ND              | 2.06 | 103        | 2.00          | 2.45 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/15/2024 | ND              | 6.09 | 102        | 6.00          | 2.58 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/15/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 2720   | 16.0            | 01/15/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/15/2024 | ND              | 178 | 88.9       | 200           | 3.49 |           |
| DRO >C10-C28*    | 22.4   | 10.0            | 01/15/2024 | ND              | 163 | 81.7       | 200           | 4.28 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/15/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/15/2024                       | Sampling Date:      | 01/12/2024     |
| Reported:         | 01/16/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: FS - 18 ( 4.0' ) (H240158-04)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 3.29 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 2.00 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/15/2024 | ND              | 2.06 | 103        | 2.00          | 2.45 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/15/2024 | ND              | 6.09 | 102        | 6.00          | 2.58 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/15/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1880   | 16.0            | 01/15/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/15/2024 | ND              | 178 | 88.9       | 200           | 3.49 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/15/2024 | ND              | 163 | 81.7       | 200           | 4.28 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/15/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.6 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/15/2024                       | Sampling Date:      | 01/12/2024     |
| Reported:         | 01/16/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: SW - 3 (H240158-05)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 3.29 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 2.00 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/15/2024 | ND              | 2.06 | 103        | 2.00          | 2.45 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/15/2024 | ND              | 6.09 | 102        | 6.00          | 2.58 |           |  |
| Total BTEx     | <0.300 | 0.300           | 01/15/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 272    | 16.0            | 01/15/2024 | ND              | 416 | 104        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/15/2024 | ND              | 178 | 88.9       | 200           | 3.49 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/15/2024 | ND              | 163 | 81.7       | 200           | 4.28 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/15/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.6 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/15/2024                       | Sampling Date:      | 01/12/2024     |
| Reported:         | 01/16/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: SW - 4 (H240158-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 3.29 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 2.00 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/15/2024 | ND              | 2.06 | 103        | 2.00          | 2.45 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/15/2024 | ND              | 6.09 | 102        | 6.00          | 2.58 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/15/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 688    | 16.0            | 01/15/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/15/2024 | ND              | 178 | 88.9       | 200           | 3.49 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/15/2024 | ND              | 163 | 81.7       | 200           | 4.28 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/15/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 81.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.9 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/15/2024                       | Sampling Date:      | 01/12/2024     |
| Reported:         | 01/16/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: SW - 5 (H240158-07)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 3.29 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 2.00 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/15/2024 | ND              | 2.06 | 103        | 2.00          | 2.45 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/15/2024 | ND              | 6.09 | 102        | 6.00          | 2.58 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/15/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 256    | 16.0            | 01/15/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/16/2024 | ND              | 178 | 88.9       | 200           | 3.49 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/16/2024 | ND              | 163 | 81.7       | 200           | 4.28 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/16/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/15/2024                       | Sampling Date:      | 01/12/2024     |
| Reported:         | 01/16/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: SW - 6 (H240158-08)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 3.29 |           |
| Toluene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 2.00 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/15/2024 | ND              | 2.06 | 103        | 2.00          | 2.45 |           |
| Total Xylenes* | <0.150 | 0.150           | 01/15/2024 | ND              | 6.09 | 102        | 6.00          | 2.58 |           |
| Total BTEX     | <0.300 | 0.300           | 01/15/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 1250   | 16.0            | 01/15/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/15/2024 | ND              | 176 | 88.0       | 200           | 4.03 |           |
| DRO >C10-C28*    | 13.6   | 10.0            | 01/15/2024 | ND              | 166 | 82.9       | 200           | 1.78 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/15/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 78.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/15/2024                       | Sampling Date:      | 01/12/2024     |
| Reported:         | 01/16/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: SW - 9 (H240158-09)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 3.29 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/15/2024 | ND              | 2.05 | 102        | 2.00          | 2.00 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/15/2024 | ND              | 2.06 | 103        | 2.00          | 2.45 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/15/2024 | ND              | 6.09 | 102        | 6.00          | 2.58 |           |  |
| Total BTEX     | <0.300 | 0.300           | 01/15/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 01/15/2024 | ND              | 416 | 104        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/15/2024 | ND              | 176 | 88.0       | 200           | 4.03 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/15/2024 | ND              | 166 | 82.9       | 200           | 1.78 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/15/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 82.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

|     |                                                                                                                                                                |
|-----|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| ND  | Analyte NOT DETECTED at or above the reporting limit                                                                                                           |
| RPD | Relative Percent Difference                                                                                                                                    |
| **  | Samples not received at proper temperature of 6°C or below.                                                                                                    |
| *** | Insufficient time to reach temperature.                                                                                                                        |
| -   | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report |

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

Celey D. Keene, Lab Director/Quality Manager





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

January 19, 2024

CHUCK TERHUNE

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: EVGSAU 3366-029 FLOWLINE RELEASE

Enclosed are the results of analyses for samples received by the laboratory on 01/18/24 13:04.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/18/2024                       | Sampling Date:      | 01/18/2024     |
| Reported:         | 01/19/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: SW - 4 (H240215-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 01/18/2024 | ND              | 2.14 | 107        | 2.00          | 11.0 |           |
| Toluene*       | <0.050 | 0.050           | 01/18/2024 | ND              | 2.16 | 108        | 2.00          | 6.37 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 01/18/2024 | ND              | 2.22 | 111        | 2.00          | 8.56 |           |
| Total Xylenes* | <0.150 | 0.150           | 01/18/2024 | ND              | 6.60 | 110        | 6.00          | 8.99 |           |
| Total BTEX     | <0.300 | 0.300           | 01/18/2024 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: HM |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 144    | 16.0            | 01/18/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/18/2024 | ND              | 190 | 95.0       | 200           | 2.91 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/18/2024 | ND              | 179 | 89.5       | 200           | 2.15 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/18/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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\*=Accredited Analyte

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**Analytical Results For:**

TETRA TECH  
 CHUCK TERHUNE  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                                  |                     |                |
|-------------------|----------------------------------|---------------------|----------------|
| Received:         | 01/18/2024                       | Sampling Date:      | 01/18/2024     |
| Reported:         | 01/19/2024                       | Sampling Type:      | Soil           |
| Project Name:     | EVGSAU 3366-029 FLOWLINE RELEASE | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C - MD - 03313                | Sample Received By: | Tamara Oldaker |
| Project Location: | MAVERICK - LEA CO NM             |                     |                |

**Sample ID: SW - 6 (H240215-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: JH |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 01/18/2024 | ND              | 2.14 | 107        | 2.00          | 11.0 |           |  |
| Toluene*       | <0.050 | 0.050           | 01/18/2024 | ND              | 2.16 | 108        | 2.00          | 6.37 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 01/18/2024 | ND              | 2.22 | 111        | 2.00          | 8.56 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 01/18/2024 | ND              | 6.60 | 110        | 6.00          | 8.99 |           |  |
| Total BTEx     | <0.300 | 0.300           | 01/18/2024 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 128    | 16.0            | 01/19/2024 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 01/18/2024 | ND              | 190 | 95.0       | 200           | 2.91 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 01/18/2024 | ND              | 179 | 89.5       | 200           | 2.15 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 01/18/2024 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Notes and Definitions

- QM-07      The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND      Analyte NOT DETECTED at or above the reporting limit
- RPD      Relative Percent Difference
- \*\*      Samples not received at proper temperature of 6°C or below.
- \*\*\*      Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



**Tetra Tech, Inc.**

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

Maverick Natural Resources  
Site Manager:  
**Chuck Terhune**  
EVGSAU 3366-29 Flowline Release  
281-755-8965  
[chuck.terhune@tetratech.com](mailto:chuck.terhune@tetratech.com)

Location: Lea County, NM  
Project #: 212C-MD-03313  
Attn: Chuck Terhune  
Laboratory: Cardinal Labs  
Sampler Signature: Jorge Fernandez

| # |  | SAMPLE IDENTIFICATION | SAMPLING   |      | MATRIX |      | PRESERVATIVE METHOD | # CONTAINERS     | FILTERED (Y/N) |
|---|--|-----------------------|------------|------|--------|------|---------------------|------------------|----------------|
|   |  |                       | DATE       | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> | ICE            |
|   |  |                       | YEAR: 2023 |      |        |      |                     |                  |                |

|   |      |           |   |  |   |  |  |   |  |                                             |  |
|---|------|-----------|---|--|---|--|--|---|--|---------------------------------------------|--|
| 1 | SW-4 | 1/18/2024 | X |  | X |  |  | X |  | BTEX 8021B BTEX 8260B                       |  |
| 2 | SW-6 | 1/18/2024 | X |  | X |  |  | X |  | 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                                    |  |
|   |      |           |   |  |   |  |  |   |  | Chloride Sulfate TDS                        |  |
|   |      |           |   |  |   |  |  |   |  | General Water Chemistry (see attached list) |  |
|   |      |           |   |  |   |  |  |   |  | Anion/Cation Balance                        |  |

ANALYSIS REQUEST

(Circle or Specify Method No.)

LAB USE ONLY

REMARKS:

Standard TAT

Sample Temperature

3.8°C

#140

[X] RUSH Same Day [ ] Rush Charges Authorized [ ] Special Report Limits or TRRP Report

Received by OCD: 4/5/2024 12:21:08 PM

Page 5

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## **ATTACHMENT 6 – ARMS REVIEW LETTER**



7770 Jefferson Street NE, Suite 410  
Albuquerque, New Mexico 87109  
Tel 505.254.1115 Fax 505.254.1116  
www.swca.com

October 4, 2023

**TO:** Ethan Ortega, Division Director & Archaeologist, New Mexico State Land Office, Santa Fe, New Mexico

**FROM:** SWCA Environmental Consultants

**SUBJECT:** Completion of an Archaeological Records Management Section (ARMS) Review for the EVGSAU 3366-029 Flowline Inadvertent Release Project on New Mexico State Land Office (NMSLO) lands in Lea County, NM

**Company Ref No:** None-Provided

**PROJECT DESCRIPTION:**

Tetra Tech, Inc. has requested that SWCA Environmental Consultants (SWCA) conduct an Archaeological Resources Management Section (ARMS) review for an inadvertent release in Lea County, New Mexico. The proposed project is located on lands managed by the New Mexico State Land Office (NMSLO) approximately 20.1 kilometers (12.5 miles) southwest of Lovington, NM in T17S R35E, Section 33.

A literature and file search were conducted on September 22, 2023, using the New Mexico Cultural Resources Information System online database which included a review of known cultural resources, such as the built environment, archaeological sites, and State/National Register listed properties. Other sources reviewed include the BLM GLO Records web site, <http://www.glorerecords.blm.gov>, which include land patent and general land office survey data. As this area was not settled by Spain, land grant records were not reviewed. The review was conducted for the Area of Potential Effects (APE) and 1 km surrounding the APE. The land the proposed project is located on is part of the June 21, 1898: New Mexico Territorial Grant (30 Stat. 484) patented on May 26, 1909.

**Recommendation:**

The project area and surrounding 1 km have been subject to four (4) cultural resource surveys, two (2) of which are qualifying. One previously recorded site (LA 179703) is located outside of the project area but within the 1k search buffer. The project area is entirely located on NMSLO-managed lands and is completely covered by one (1) qualifying survey conducted within the last ten years (NMCRIS 131135). All remediation work will remain within the previously qualifying survey area. SWCA recommends the completion of an ARMS letter to satisfy the requirements for release remediation. If cultural materials are identified during ground disturbing activities, work must stop and the NMSLO must be contacted.

Information regarding the findings can be found in Tables 1-2 and Figure 1.

A handwritten signature in dark ink, appearing to read 'Paisley DeFreese', is written over a faint, circular official stamp.

Archaeologist  
Paisley DeFreese  
Attached: (1) Review Results, (1) ARMS Map



ENVIRONMENTAL CONSULTANTS

Sound Science. Creative Solutions.®

7770 Jefferson Street NE, Suite 410  
 Albuquerque, New Mexico 87109  
 Tel 505.254.1115 Fax 505.254.1116  
 www.swca.com

## Archaeological Resources Management Section (ARMS) Review Results

**Table 1. Cultural surveys within 1 km (0.62 miles) of the proposed project area.**

| NMCRIS No. | Performing Organization                                                 | Date of Investigation | Acres Surveyed | Sites Visited |
|------------|-------------------------------------------------------------------------|-----------------------|----------------|---------------|
| 23638      | Agency for Conservation Archaeology Eastern New Mexico University       | 8/9/1988              | 222.82         | 4             |
| 78253      | San Juan County Museum Association Division of Conservation Archaeology | 6/5/2001              | 0.83           | 0             |
| 131135     | Lone Mountain Archaeological Services                                   | 7/11/2014             | 890.58         | 3             |
| 151899     | Lone Mountain Archaeological Services                                   | 11/29/2022            | 15.80          | 0             |

**Table 2. Cultural resources within 1 km (0.62 miles) of the proposed project area.**

| LA No. | Discovering NMCRIS No. | Site Type/Cultural Affiliation and Age                            | Eligibility           | Relationship to APE |
|--------|------------------------|-------------------------------------------------------------------|-----------------------|---------------------|
| 179703 | 131135                 | Artifact scatter with features/ Unknown Historic (A.D. 1550–1970) | Not Evaluated by SHPO | Outside             |

Information regarding the findings can be found in Tables 1-2 and Figure 1.

Archaeologist

Paisley DeFreese

Attached: (1) Review Results, (1) ARMS Map

Information regarding the findings can be found in Tables 1-2 and Figure 1.

Archaeologist

Paisley DeFreese

Attached: (1) Review Results, (1) ARMS Map

Information regarding the findings can be found in Tables 1-2 and Figure 1.

Archaeologist

Paisley DeFreese

Attached: (1) Review Results, (1) ARMS Map



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\*Redacted

**Figure 2. NMCRIS screenshot showing the location of the EVGSAI 3366-029 Flowline inadvertent release location (blue square) with a 1-km (0.62-mile) buffer area (blue circle). Previously conducted investigations are brown and yellow polygons, and previously recorded sites are tan polygons.**

← LA 179703

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## **ATTACHMENT 7 – PHOTOGRAPHIC DOCUMENTATION**



|                                                  |             |                                          |            |
|--------------------------------------------------|-------------|------------------------------------------|------------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View southeast. Initial spill assessment | 1          |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release         | 04/08/2016 |



|                                                  |             |                                     |            |
|--------------------------------------------------|-------------|-------------------------------------|------------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View east. Initial spill assessment | 2          |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release    | 04/08/2016 |



|                                                  |             |                                      |            |
|--------------------------------------------------|-------------|--------------------------------------|------------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View north. Initial spill assessment | 3          |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release     | 04/08/2016 |



|                                                  |             |                                     |            |
|--------------------------------------------------|-------------|-------------------------------------|------------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View west. Initial spill assessment | 4          |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release    | 04/08/2016 |



Jan 28, 2019 at 16:08:42  
Lovington NM 88260  
United States

|                                                  |             |                                                        |           |
|--------------------------------------------------|-------------|--------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View northwest. Area of western portion of excavation. | 5         |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release                       | 1/28/2019 |



Jan 25, 2019 at 10:47:54  
Lovington NM 88260  
United States

|                                                  |             |                                                   |           |
|--------------------------------------------------|-------------|---------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View west. Area of central portion of excavation. | 6         |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release                  | 1/25/2019 |



|                                                  |             |                                                   |           |
|--------------------------------------------------|-------------|---------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View east. Area of central portion of excavation. | 7         |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release                  | 1/29/2019 |



|                                                  |             |                                                        |           |
|--------------------------------------------------|-------------|--------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View southeast. Area of eastern portion of excavation. | 8         |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release                       | 1/29/2019 |



|                                                  |             |                                                 |           |
|--------------------------------------------------|-------------|-------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View northwest. Input of liner into excavation. | 9         |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release                | 2/21/2019 |



|                                                  |             |                                                 |           |
|--------------------------------------------------|-------------|-------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View north. Placement of liner into excavation. | 10        |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release                | 2/21/2019 |



|                                                  |             |                                                            |           |
|--------------------------------------------------|-------------|------------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View northwest. Backfill of western portion of excavation. | 11        |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release                           | 2/21/2019 |



|                                                  |             |                                                            |           |
|--------------------------------------------------|-------------|------------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View southeast. Backfill of central portion of excavation. | 12        |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release                           | 2/21/2019 |



|                                                  |             |                                                            |           |
|--------------------------------------------------|-------------|------------------------------------------------------------|-----------|
| TETRA TECH, INC.<br>PROJECT NO.<br>212C-MD-02426 | DESCRIPTION | View northwest. Backfill of eastern portion of excavation. | 13        |
|                                                  | SITE NAME   | EVGSAU 3366-029 Flowline Release                           | 2/21/2019 |



☉ 81°E (T) LAT: 32.793034 LON: -103.470367 ±4m ▲ 1201m



Site Remediation  
Tetra Tech

Maverick- EVCSAU 3366  
Jan 12 2024, 15:12:33 MST

SE

S

SW

W

120

150

180

210

240

270

300

☀ 207°SW (T) LAT: 32.793135 LON: -103.470200 ±4m ▲ 1199m



Site Remediation  
Tetra Tech

Maverick- EVCSAU 3366  
Jan 12 2024, 15:13:05 MST

E

SE

S

SW

90

120

150

180

210

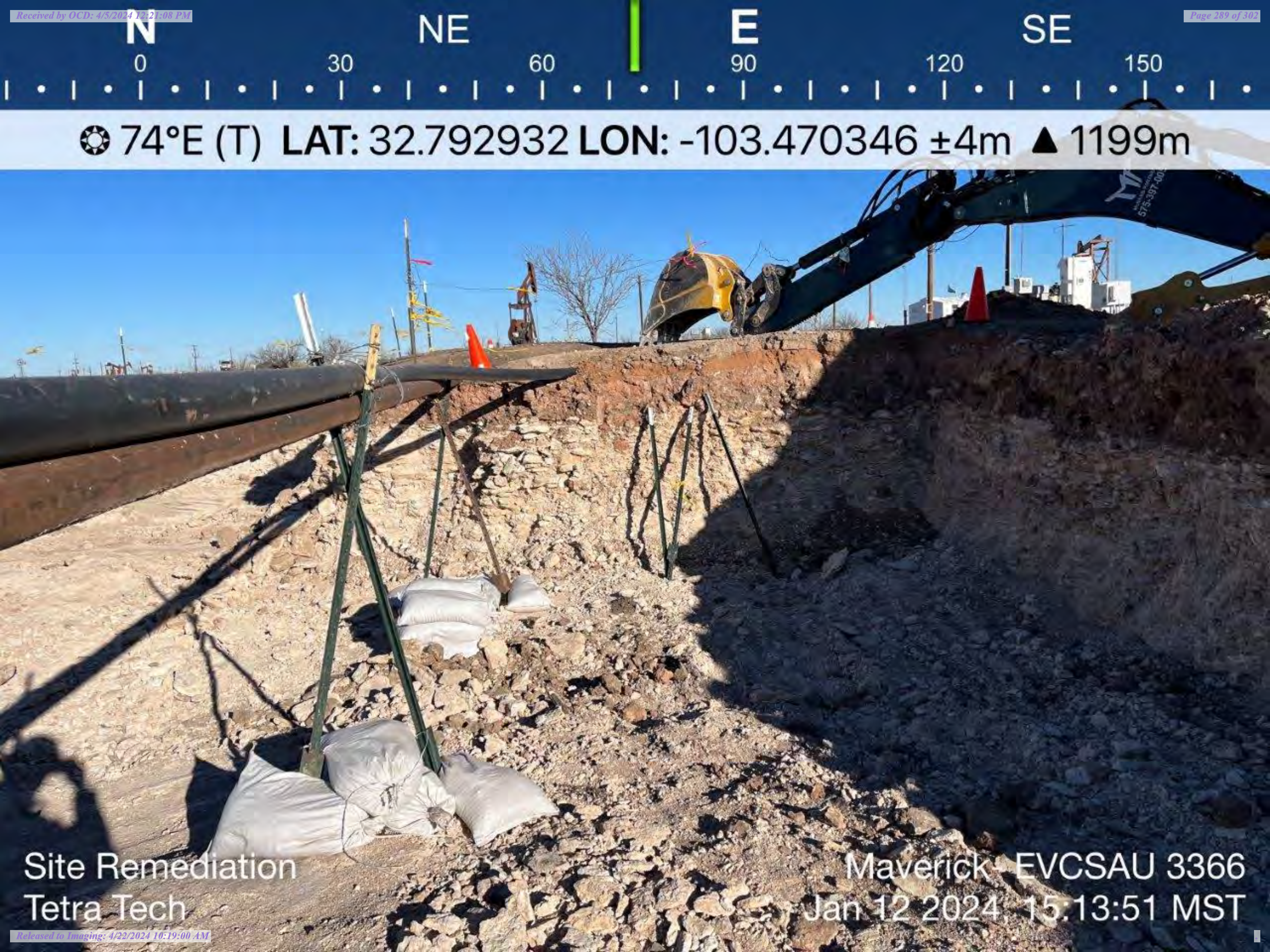
240

☀ 166°S (T) LAT: 32.793121 LON: -103.470205 ±4m ▲ 1199m



Site Remediation  
Tetra Tech

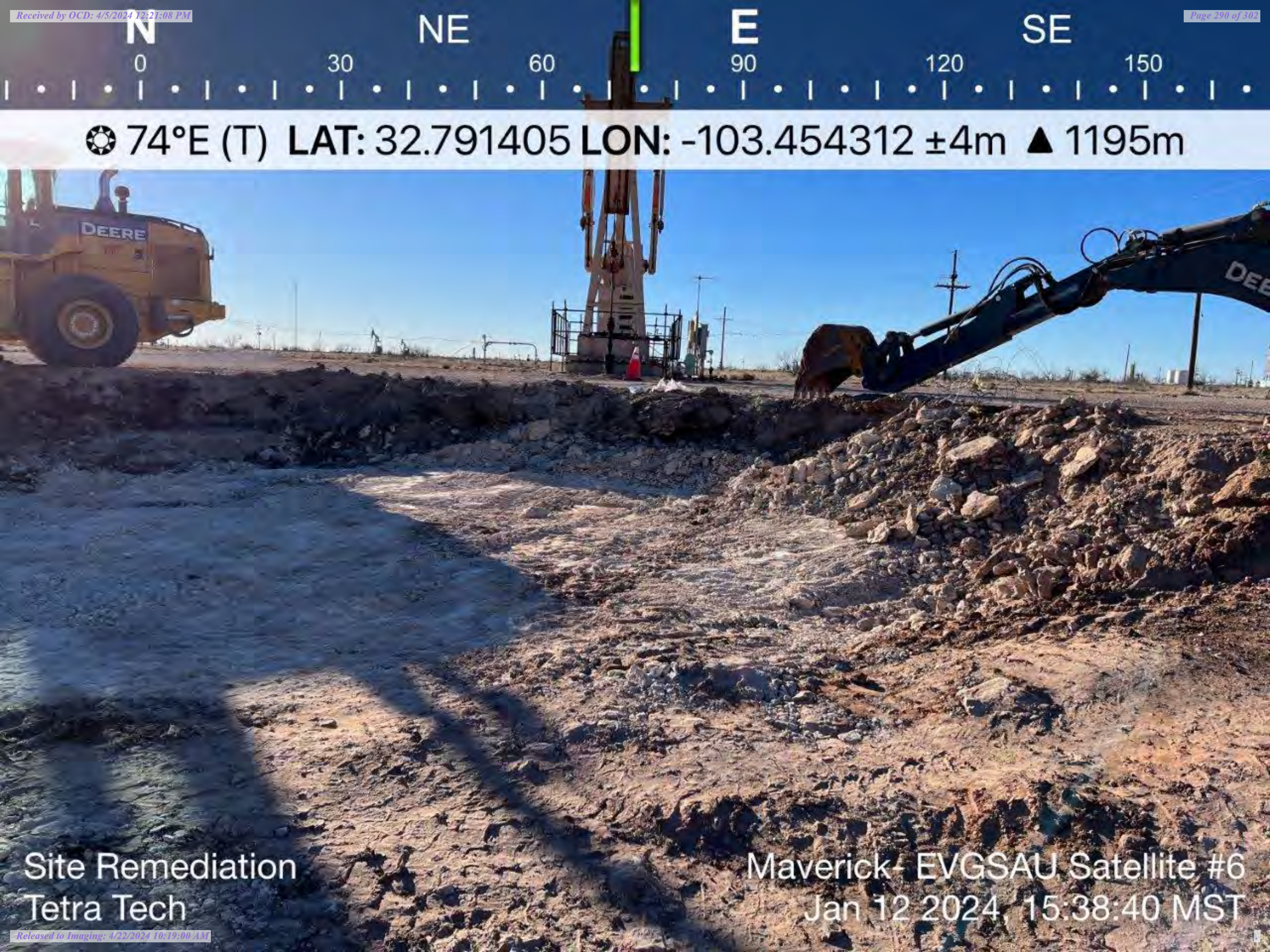
Maverick-EVCSAU 3366  
Jan 12 2024, 15:13:10 MST



☉ 74°E (T) LAT: 32.792932 LON: -103.470346 ±4m ▲ 1199m

Site Remediation  
Tetra Tech

Maverick - EVCSAU 3366  
Jan 12 2024, 15:13:51 MST



☉ 74°E (T) LAT: 32.791405 LON: -103.454312 ±4m ▲ 1195m

Site Remediation  
Tetra Tech

Maverick- EVGSAU Satellite #6  
Jan 12 2024, 15:38:40 MST

Remediation Report and Closure Report  
Maverick Permian, LLC  
EVGSAU 3366-029 Flowline Release  
Incident ID: nJXK1609752883

March 25, 2024

## ATTACHMENT 8 – NMSLO SEED MIXTURE

**NMSLO Seed Mix****Sandy (S)****SANDY (S) SITES SEED MIXTURE:**

| COMMON NAME            | VARIETY           | APPLICATION<br>RATE (PLS/Acre) | DRILL<br>BOX |
|------------------------|-------------------|--------------------------------|--------------|
| <b>Grasses:</b>        |                   |                                |              |
| Sand bluestem          | Elida, VNS, So.   | 2.0                            | F            |
| Little bluestem        | Cimarron, Pastura | 3.0                            | F            |
| Black grama            | VNS, Southern     | 1.0                            | D            |
| Sand dropseed          | VNS, Southern     | 4.0                            | S            |
| Plains bristlegrass    | VNS, Southern     | 2.0                            | D            |
| <b>Forbs:</b>          |                   |                                |              |
| Firewheel (Gaillardia) | VNS, Southern     | 1.0                            | D            |
| Annual Sunflower       | VNS, Southern     | 1.0                            | D            |
| <b>Shrubs:</b>         |                   |                                |              |
| Fourwing Saltbush      | VNS, Southern     | 1.0                            | F            |
| <b>Total PLS/acre</b>  |                   | <b>16.0</b>                    |              |

S = Small seed drill box, D = Standard seed drill box, F = Fluffy seed drill box  
VNS = Variety Not Stated, PLS = Pure Live Seed

- Seed mixes should be provided in bags separating seed types into the three categories: small (S), standard (D) and fluffy (F).
- VNS, Southern – Seed should be from a southern latitude collection of this species.
- Double seed application rate for broadcast or hydroseeding.
- If one species is not available, contact the SLO for an approved substitute; alternatively the SLO may require other species proportionately increased.
- Additional information on these seed species can be found on the USDA Plants Database website at <http://plants.usda.gov>.



SLO Seed Mix

SM Series

3 REVEGETATION PLANS & SEEDING

The following Revegetation Plans were developed for revegetation of sites in southeastern New Mexico. To determine which revegetation plan is appropriate follow procedures in the section titled Determining the Revegetation Plan.

Revegetation Plans contain seed mixtures, as well as seed bed preparation and planting requirements. The detailed instructions for seedbed preparation and planting can be found in the section Revegetation Techniques.

Table 3 - Revegetation Plans, Codes, and Soil Types for Southeastern New Mexico

| REVEGTATION PLANS | CODE | SOIL TEXTURES                                                                                                                                                                                 |
|-------------------|------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Clay              | C    | Clay, Silty Clay, Stony Silty Clay, Clay Loam, Silty Clay Loam (including saline and sodic Clay soils)                                                                                        |
| Loam              | L    | Silty Loam, Cobbly Silt Loam, Stony Silt Loam, Silt, Loam, Sandy, Clay Loam                                                                                                                   |
| Sandy Loam        | SL   | Very Fine Sandy Loam, Fine Sandy Loam, Cobbly Fine Sandy Loam, Sandy Loam, Cobbly Sandy Loam, Gravelly Fine Sandy Loam, Very Gravelly Fine Sand Loam, Stony Fine Sandy Loam, Stony Sandy Loam |
| Gypsum            | LG   |                                                                                                                                                                                               |
| Shallow           | SH   | Rocky Loam, Cobbly Loam                                                                                                                                                                       |
| Course            | CS   | Gravelly Loam, very Gravelly Loam, Gravelly Sandy Loam, Very Gravelly Sandy Loam, Stony Loam, Stony Sandy Loam                                                                                |
| Sandy             | S    | Loamy Fine Sand, Loam Sand, Very Gravelly Loamy Fine Sand                                                                                                                                     |
| Blow Sand         | BS   | Fine Sand, Sand, Coarse Sand                                                                                                                                                                  |
| Mountain Meadow   | MM   | Clay, Loam                                                                                                                                                                                    |
| Mountain Upland   | MU   | Clay Loam, Loam                                                                                                                                                                               |



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**District II**  
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**District IV**  
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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

QUESTIONS  
  
Action 330464

QUESTIONS

|                                                                                        |                |
|----------------------------------------------------------------------------------------|----------------|
| Operator:<br>Maverick Permian LLC<br>1000 Main Street, Suite 2900<br>Houston, TX 77002 | OGRID:         |
|                                                                                        | 331199         |
|                                                                                        | Action Number: |
|                                                                                        | 330464         |
| Action Type:                                                                           |                |
| [C-141] Reclamation Report C-141 (C-141-v-Reclamation)                                 |                |

QUESTIONS

|                  |                                                 |
|------------------|-------------------------------------------------|
| Prerequisites    |                                                 |
| Incident ID (n#) | nJXK1609752883                                  |
| Incident Name    | NJXK1609752883 EVGGS AU 3366-029 @ 30-025-02987 |
| Incident Type    | Produced Water Release                          |
| Incident Status  | Reclamation Report Received                     |
| Incident Well    | [30-025-02987] EAST VACUUM (GSA) UNIT #029      |

|                                                |                   |
|------------------------------------------------|-------------------|
| Location of Release Source                     |                   |
| Please answer all the questions in this group. |                   |
| Site Name                                      | EVGGS AU 3366-029 |
| Date Release Discovered                        | 04/04/2016        |
| Surface Owner                                  | State             |

|                                                                                                      |                        |
|------------------------------------------------------------------------------------------------------|------------------------|
| Incident Details                                                                                     |                        |
| Please answer all the questions in this group.                                                       |                        |
| Incident Type                                                                                        | Produced Water Release |
| Did this release result in a fire or is the result of a fire                                         | No                     |
| Did this release result in any injuries                                                              | No                     |
| Has this release reached or does it have a reasonable probability of reaching a watercourse          | No                     |
| Has this release endangered or does it have a reasonable probability of endangering public health    | No                     |
| Has this release substantially damaged or will it substantially damage property or the environment   | No                     |
| Is this release of a volume that is or may with reasonable probability be detrimental to fresh water | No                     |

|                                                                                                                                                                                      |                                                                                                                        |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------|
| Nature and Volume of Release                                                                                                                                                         |                                                                                                                        |
| Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission. |                                                                                                                        |
| Crude Oil Released (bbls) Details                                                                                                                                                    | Cause: Equipment Failure   Flow Line - Production   Crude Oil   Released: 10 BBL   Recovered: 5 BBL   Lost: 5 BBL.     |
| Produced Water Released (bbls) Details                                                                                                                                               | Cause: Equipment Failure   Flow Line - Production   Produced Water   Released: 6 BBL   Recovered: 5 BBL   Lost: 1 BBL. |
| Is the concentration of chloride in the produced water >10,000 mg/l                                                                                                                  | Yes                                                                                                                    |
| Condensate Released (bbls) Details                                                                                                                                                   | Not answered.                                                                                                          |
| Natural Gas Vented (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                          |
| Natural Gas Flared (Mcf) Details                                                                                                                                                     | Not answered.                                                                                                          |
| Other Released Details                                                                                                                                                               | Not answered.                                                                                                          |
| Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)                                 | Not answered.                                                                                                          |

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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 2

Action 330464

**QUESTIONS (continued)**

|                                                                                        |                |
|----------------------------------------------------------------------------------------|----------------|
| Operator:<br>Maverick Permian LLC<br>1000 Main Street, Suite 2900<br>Houston, TX 77002 | OGRID:         |
|                                                                                        | 331199         |
|                                                                                        | Action Number: |
|                                                                                        | 330464         |
| Action Type:                                                                           |                |
| [C-141] Reclamation Report C-141 (C-141-v-Reclamation)                                 |                |

**QUESTIONS**

| Nature and Volume of Release (continued)                                                                                                                |                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------|
| Is this a gas only submission (i.e. only significant Mcf values reported)                                                                               | No, according to supplied volumes this does not appear to be a "gas only" report. |
| Was this a major release as defined by Subsection A of 19.15.29.7 NMAC                                                                                  | No                                                                                |
| Reasons why this would be considered a submission for a notification of a major release                                                                 | Unavailable.                                                                      |
| With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form. |                                                                                   |

**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                                                                         | True          |
| The impacted area has been secured to protect human health and the environment                                     | True          |
| Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices | True          |
| All free liquids and recoverable materials have been removed and managed appropriately                             | True          |
| If all the actions described above have not been undertaken, explain why                                           | Not answered. |

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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.

|                                                    |                                                                                                                                  |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Chuck Terhune<br>Email: <a href="mailto:chuck.terhune@tetrattech.com">chuck.terhune@tetrattech.com</a><br>Date: 04/05/2024 |
|----------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------|

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 330464

**QUESTIONS (continued)**

|                                                                                        |                          |
|----------------------------------------------------------------------------------------|--------------------------|
| Operator:<br>Maverick Permian LLC<br>1000 Main Street, Suite 2900<br>Houston, TX 77002 | OGRID:                   |
|                                                                                        | 331199                   |
|                                                                                        | Action Number:<br>330464 |
| Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation)                 |                          |

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). 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 in feet below ground surface (ft bgs) | Between 51 and 75 (ft.)        |
| What method was used to determine the depth to ground water                                                                | NM OSE iWaters Database Search |
| Did this release impact groundwater or surface water                                                                       | No                             |
| <b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>   |                                |
| A continuously flowing watercourse or any other significant watercourse                                                    | Between 1 and 5 (mi.)          |
| Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)                                          | Between 300 and 500 (ft.)      |
| An occupied permanent residence, school, hospital, institution, or church                                                  | Between 1 and 5 (mi.)          |
| A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes  | Between 1 and 5 (mi.)          |
| Any other fresh water well or spring                                                                                       | Between 1000 (ft.) and ½ (mi.) |
| Incorporated municipal boundaries or a defined municipal fresh water well field                                            | Greater than 5 (mi.)           |
| A wetland                                                                                                                  | Between 300 and 500 (ft.)      |
| A subsurface mine                                                                                                          | Greater than 5 (mi.)           |
| An (non-karst) unstable area                                                                                               | Greater than 5 (mi.)           |
| Categorize the risk of this well / site being in a karst geology                                                           | Low                            |
| A 100-year floodplain                                                                                                      | Greater than 5 (mi.)           |
| Did the release impact areas not on an exploration, development, production, or storage site                               | Yes                            |

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

|                                                                                                                                                                                                         |     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----|
| Requesting a remediation plan approval with this submission                                                                                                                                             | Yes |
| Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC. |     |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                            | Yes |
| Was this release entirely contained within a lined containment area                                                                                                                                     | No  |

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

|                   |                                    |      |
|-------------------|------------------------------------|------|
| Chloride          | (EPA 300.0 or SM4500 Cl B)         | 8480 |
| TPH (GRO+DRO+MRO) | (EPA SW-846 Method 8015M)          | 745  |
| GRO+DRO           | (EPA SW-846 Method 8015M)          | 432  |
| BTEX              | (EPA SW-846 Method 8021B or 8260B) | 0.1  |
| Benzene           | (EPA SW-846 Method 8021B or 8260B) | 0    |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

|                                                                             |            |
|-----------------------------------------------------------------------------|------------|
| On what estimated date will the remediation commence                        | 12/18/2023 |
| On what date will (or did) the final sampling or liner inspection occur     | 01/18/2024 |
| On what date will (or was) the remediation complete(d)                      | 01/19/2024 |
| What is the estimated surface area (in square feet) that will be reclaimed  | 4700       |
| What is the estimated volume (in cubic yards) that will be reclaimed        | 1004       |
| What is the estimated surface area (in square feet) that will be remediated | 4700       |
| What is the estimated volume (in cubic yards) that will be remediated       | 4700       |

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 330464

**QUESTIONS (continued)**

|                                                                                        |                |                                                        |
|----------------------------------------------------------------------------------------|----------------|--------------------------------------------------------|
| Operator:<br>Maverick Permian LLC<br>1000 Main Street, Suite 2900<br>Houston, TX 77002 | OGRID:         | 331199                                                 |
|                                                                                        | Action Number: | 330464                                                 |
|                                                                                        | Action Type:   | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |
|                                                                                        |                |                                                        |

**QUESTIONS****Remediation Plan (continued)**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

(Select all answers below that apply.)

|                                                                                       |                                                |
|---------------------------------------------------------------------------------------|------------------------------------------------|
| (Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.) | Yes                                            |
| Which OCD approved facility will be used for <b>off-site</b> disposal                 | HALFWAY DISPOSAL AND LANDFILL [fEEM0112334510] |
| <b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal     | Not answered.                                  |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state              | Not answered.                                  |
| <b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility          | Not answered.                                  |
| (Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)         | Not answered.                                  |
| (In Situ) Soil Vapor Extraction                                                       | Not answered.                                  |
| (In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)     | Not answered.                                  |
| (In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)                    | Not answered.                                  |
| (In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)              | Not answered.                                  |
| Ground Water Abatement pursuant to 19.15.30 NMAC                                      | Not answered.                                  |
| OTHER (Non-listed remedial process)                                                   | Not answered.                                  |

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

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.

|                                                    |                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Chuck Terhune<br>Email: chuck.terhune@tetrattech.com<br>Date: 04/05/2024 |
|----------------------------------------------------|--------------------------------------------------------------------------------|

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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

QUESTIONS, Page 5  
  
Action 330464

QUESTIONS (continued)

|                                                                                            |                                                                            |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Operator:<br><br>Maverick Permian LLC<br>1000 Main Street, Suite 2900<br>Houston, TX 77002 | OGRID:<br><br>331199                                                       |
|                                                                                            | Action Number:<br><br>330464                                               |
|                                                                                            | Action Type:<br><br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

|                                                                                                                                                                                                |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| <b>Deferral Requests Only</b>                                                                                                                                                                  |    |
| Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation. |    |
| Requesting a deferral of the remediation closure due date with the approval of this submission                                                                                                 | No |

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QUESTIONS, Page 6

Action 330464

**QUESTIONS (continued)**

|                                                                                        |                                                                        |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>Maverick Permian LLC<br>1000 Main Street, Suite 2900<br>Houston, TX 77002 | OGRID:                                                                 |
|                                                                                        | 331199                                                                 |
|                                                                                        | Action Number:<br>330464                                               |
|                                                                                        | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**QUESTIONS**

| Sampling Event Information                                                                      |            |
|-------------------------------------------------------------------------------------------------|------------|
| Last sampling notification (C-141N) recorded                                                    | 326132     |
| Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC | 01/18/2024 |
| What was the (estimated) number of samples that were to be gathered                             | 2          |
| What was the sampling surface area in square feet                                               | 400        |

**Remediation Closure Request**

Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.

|                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                 |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Requesting a remediation closure approval with this submission                                                                                                                                                                                                                     | Yes                                                                                                                                                                                                             |
| Have the lateral and vertical extents of contamination been fully delineated                                                                                                                                                                                                       | Yes                                                                                                                                                                                                             |
| Was this release entirely contained within a lined containment area                                                                                                                                                                                                                | No                                                                                                                                                                                                              |
| All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion                                                         | Yes                                                                                                                                                                                                             |
| What was the total surface area (in square feet) remediated                                                                                                                                                                                                                        | 4700                                                                                                                                                                                                            |
| What was the total volume (cubic yards) remediated                                                                                                                                                                                                                                 | 1004                                                                                                                                                                                                            |
| All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene | Yes                                                                                                                                                                                                             |
| What was the total surface area (in square feet) reclaimed                                                                                                                                                                                                                         | 4700                                                                                                                                                                                                            |
| What was the total volume (in cubic yards) reclaimed                                                                                                                                                                                                                               | 1004                                                                                                                                                                                                            |
| Summarize any additional remediation activities not included by answers (above)                                                                                                                                                                                                    | This is a historical release with a history of multiple rounds of assessments and remediation. Additional details are provided in the Remediation Report and Closure Request attached to this C-141 Submission. |

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 (in .pdf format) 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.

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.

|                                                    |                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Chuck Terhune<br>Email: chuck.terhune@tetrattech.com<br>Date: 04/05/2024 |
|----------------------------------------------------|--------------------------------------------------------------------------------|

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QUESTIONS, Page 7

Action 330464

**QUESTIONS (continued)**

|                                                                                        |                |                                                        |
|----------------------------------------------------------------------------------------|----------------|--------------------------------------------------------|
| Operator:<br>Maverick Permian LLC<br>1000 Main Street, Suite 2900<br>Houston, TX 77002 | OGRID:         | 331199                                                 |
|                                                                                        | Action Number: | 330464                                                 |
|                                                                                        | Action Type:   | [C-141] Reclamation Report C-141 (C-141-v-Reclamation) |
|                                                                                        |                |                                                        |

**QUESTIONS****Reclamation Report**

*Only answer the questions in this group if all reclamation steps have been completed.*

|                                                                                  |      |
|----------------------------------------------------------------------------------|------|
| Requesting a reclamation approval with this submission                           | Yes  |
| What was the total reclamation surface area (in square feet) for this site       | 4700 |
| What was the total volume of replacement material (in cubic yards) for this site | 1004 |

*Per Paragraph (1) of Subsection D of 19.15.29.13 NMAC the reclamation must contain a minimum of four feet of non-waste containing, uncontaminated, earthen material with chloride concentrations less than 600 mg/kg as analyzed by EPA Method 300.0, or other test methods approved by the division. The soil cover must include a top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater.*

|                                                                                    |            |
|------------------------------------------------------------------------------------|------------|
| Is the soil top layer complete and is it suitable material to establish vegetation | Yes        |
| On what (estimated) date will (or was) the reseeding commence(d)                   | 01/22/2024 |

|                                                                                 |                                                                                                                                                                                                                                                                                                                           |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Summarize any additional reclamation activities not included by answers (above) | graded and contoured the area back to match the surrounding area after backfilling with clean soil sourced from nearby pits. The area was subsequently seeded with NMSLO seed mix for the appropriate soil type. The Area will be monitored for revegetation and the revegetation report will be submitted once complete. |
|---------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|

*The responsible party must attach information demonstrating they have complied with all applicable reclamation requirements and any conditions or directives of the OCD. This demonstration should be in the form of attachments (in .pdf format) including a scaled site map, any proposed reseeding plans or relevant field notes, photographs of reclaimed area, and a narrative of the reclamation activities. Refer to 19.15.29.13 NMAC.*

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.

|                                                    |                                                                                |
|----------------------------------------------------|--------------------------------------------------------------------------------|
| I hereby agree and sign off to the above statement | Name: Chuck Terhune<br>Email: chuck.terhune@tetrattech.com<br>Date: 04/05/2024 |
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QUESTIONS, Page 8  
  
Action 330464

QUESTIONS (continued)

|                                                                                            |                                                                            |
|--------------------------------------------------------------------------------------------|----------------------------------------------------------------------------|
| Operator:<br><br>Maverick Permian LLC<br>1000 Main Street, Suite 2900<br>Houston, TX 77002 | OGRID:<br><br>331199                                                       |
|                                                                                            | Action Number:<br><br>330464                                               |
|                                                                                            | Action Type:<br><br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

QUESTIONS

|                                                                                                                                                                                                            |    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----|
| Revegetation Report                                                                                                                                                                                        |    |
| Only answer the questions in this group if all surface restoration, reclamation and re-vegetation obligations have been satisfied.                                                                         |    |
| Requesting a restoration complete approval with this submission                                                                                                                                            | No |
| Per Paragraph (4) of Subsection (D) of 19.15.29.13 NMAC for any major or minor release containing liquids, the responsible party must notify the division when reclamation and re-vegetation are complete. |    |

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CONDITIONS

Action 330464

**CONDITIONS**

|                                                                                        |                                                                        |
|----------------------------------------------------------------------------------------|------------------------------------------------------------------------|
| Operator:<br>Maverick Permian LLC<br>1000 Main Street, Suite 2900<br>Houston, TX 77002 | OGRID:                                                                 |
|                                                                                        | 331199                                                                 |
|                                                                                        | Action Number:<br>330464                                               |
|                                                                                        | Action Type:<br>[C-141] Reclamation Report C-141 (C-141-v-Reclamation) |

**CONDITIONS**

| Created By | Condition                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Condition Date |
|------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| amaxwell   | Reclamation approved.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | 4/22/2024      |
| amaxwell   | All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved. | 4/22/2024      |
| amaxwell   | OR Per 19.15.29.13 E. NMAC, if a reclamation and revegetation report has been submitted to the surface owner, it may be used if the requirements of the surface owner provide equal or better protection of freshwater, human health, and the environment. A copy of the approval of the reclamation and revegetation report from the surface owner and a copy of the approved reclamation and revegetation report will need to be submitted to the OCD via the Permitting website.                                                                                                                                                                                                                                                                                                                                                                                                                        | 4/22/2024      |
| amaxwell   | A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | 4/22/2024      |