

|                |                |
|----------------|----------------|
| Incident ID    | NDHR1917862601 |
| District RP    |                |
| Facility ID    |                |
| Application ID |                |

## Remediation Plan

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

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

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

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

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

Printed Name: Todd Wells Title: Environmental Specialist  
Signature: Todd Wells Date: 8/23/21  
email: Todd\_Wells@eogresources.com Telephone: (432) 686-3613

**OCD Only**

Received by: Chad Hensley Date: 09/22/2021

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

Signature: Chad Hensley Date: 09/22/2021

## SITE INFORMATION

### Report Type: Work Plan 1RP-5582 / NDHR1917862601

#### General Site Information:

|                             |  |         |       |              |  |  |
|-----------------------------|--|---------|-------|--------------|--|--|
| Site:                       | Neptune 10 State CTB   |         |       |              |  |  |
| Company:                    | EOG Resources  |         |       |              |  |  |
| Section, Township and Range | Unit K   | Sec. 10 | T 24S | R 33E        |  |  |
| Lease Number:               |  |         |       |              |  |  |
| County:                     | Lea County   |         |       |              |  |  |
| GPS:                        | 32.231193°N  |         |       | 103.561633°W |  |  |
| Surface Owner:              | State  |         |       |              |  |  |
| Mineral Owner:              | State  |         |       |              |  |  |
| Directions:                 | From the intersection of HWY 128 and Co Rd 2-A, travel north on Co Rd 2-A for 0.90 miles, turn east onto lease road for 0.50 miles, turn north for 0.50 miles, turn west for 0.20 miles to location. |         |       |              |  |  |
|                             |  |         |       |              |  |  |
|                             |  |         |       |              |  |  |
|                             |  |         |       |              |  |  |
|                             |  |         |       |              |  |  |

#### Release Data:

|                                 |                         |
|---------------------------------|-------------------------|
| <b>Date Released:</b>           | 6/5/2019                |
| <b>Type Release:</b>            | Oil & Produced Water    |
| <b>Source of Contamination:</b> | Dump Line               |
| <b>Fluid Released:</b>          | 1 bbl oil & 7 bbl water |
| <b>Fluids Recovered:</b>        | 1 bbl oil & 5 bbl water |

#### Official Communication:

|                      |  |  |  |
|----------------------|--|--|--|
| <b>Name:</b>         | Todd Wells   |  | Clair Gonzales   |
| <b>Company:</b>      | EOG Resources  |  | Tetra Tech   |
| <b>Address:</b>      | 5509 Champions Dr  |  | 901 West Wall St.  |
|                      |  |  | Ste 100  |
| <b>City:</b>         | Midland Texas, 79706   |  | Midland, Texas   |
| <b>Phone number:</b> | (432) 686-3613   |  | (432) 687-8123   |
| <b>Fax:</b>          |  |  |  |
| <b>Email:</b>        | <a href="mailto:Todd_Wells@eogresources.com">Todd_Wells@eogresources.com</a> |  | <a href="mailto:Clair.Gonzales@tetrattech.com">Clair.Gonzales@tetrattech.com</a> |

#### Site Characterization

|                              |     |
|------------------------------|-----|
| <b>Depth to Groundwater:</b> | 22' |
| <b>Karst Potential:</b>      | Low |

#### Recommended Remedial Action Levels (RRALs)

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



August 23, 2021

Mr. Dylan Rose-Coss  
Environmental Engineer Specialist  
Oil Conservation Division, District 1  
1625 North French Drive  
Hobbs, New Mexico 88240

**Re: Work Plan for the EOG Resources, Neptune 10 State CTB, Unit K, Section 10,  
Township 24 South, Range 33 East, Lea County, New Mexico.  
1RP-5582  
NDHR1917862601**

Mr. Rose-Coss:

Tetra Tech, Inc. (Tetra Tech) was contacted by EOG Resources to assess a release that occurred at the Neptune 10 State CTB, Unit K, Section 10, Township 24 South, Range 33 East, Lea County, New Mexico (Site). The spill site coordinates are N 32.231193°, W 103.561633°. The site location is shown on Figures 1 and 2.

## Background

According to the State of New Mexico C-141 Initial Report, the leak was discovered on June 5, 2019, and released approximately 7 barrels of produced water and 1 barrel of oil due to a pin hole leak on the high-pressure water dump line of the separator. Approximately 1 barrel of oil and 5 barrels of produced water were recovered. The release occurred on the pad, impacting areas measuring approximately 41' x 150' and 76' x 120'. The initial C-141 form is included in Appendix A.

## Site Characterization

A site characterization was performed for the site and no lakebeds, sinkholes, playa lakes, residences, schools, hospitals, institutions, churches, springs, private domestic water wells, wetlands, incorporated municipal boundaries, subsurface mines, or floodplains are located within the specified distances. The site is located in a low karst potential area. The nearest well is listed on the USGS National Water Information data base in Section 10, approximately 0.40 miles northwest of the site and has a reported depth to groundwater of 22' below surface. The groundwater data is shown in Appendix B.

Tetra Tech

4000 North Big Spring, Suite 401, Midland, TX 79705

Tel 432.682.4559 Fax 432.682.3946 [www.tetrattech.com](http://www.tetrattech.com)



## Regulatory

A risk-based evaluation was performed for the Site in accordance with the New Mexico Oil Conservation Division (NMOCD) Guidelines for Remediation of Leaks, Spills and Releases, updated August 14, 2018. The guidelines require a risk-based evaluation of the site to determine recommended remedial action levels (RRAL) for benzene, toluene, ethylbenzene and xylene (collectively referred to as BTEX) and total petroleum hydrocarbons (TPH) in soil. The proposed RRAL for benzene was determined to be 10 parts per million (ppm) or milligrams per kilogram (mg/kg) and 50 ppm for total BTEX (sum of benzene, toluene, ethylbenzene, and xylene). Based upon the depth to groundwater, the proposed RRAL for TPH is 100 mg/kg (GRO + DRO + ORO). Additionally, based on the reported depth to groundwater in the area, the proposed RRAL for chlorides is 600 mg/kg.

## Soil Assessment and Analytical Results

On June 27, 2019, Tetra Tech personnel were onsite to evaluate and sample the release area. Using a hand auger, a total of nine (9) auger holes (AH-1 through AH-9) were installed in the release areas to total depths ranging from 1-1.5' and 7-7.5' below surface. Selected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 1. The sample locations are shown on Figure 3.

Referring to Table 1, none of the samples analyzed showed any benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. Additionally, the area of auger hole (AH-4) showed chloride concentrations below the RRAL. However, the remaining auger holes showed shallow chloride impact to total depths between surface to 2-2.5' below surface, before declining with depth to below the 600 mg/kg threshold. Vertical delineation was found in all auger holes, with the exception of auger hole (AH-8).

## Remediation Activities

Based on the laboratory data, Tetra Tech returned to the site on October 30<sup>th</sup>-November 5<sup>th</sup>, 2019, in order to excavate the release areas to the maximum extent safely possible. The areas of AH-2, AH-6, and AH-9 were excavated to 1.0', the areas of AH-3, AH-7, and AH-8 were excavated to 2.0' and the area of AH-1 was excavated to 3.0' below surface. The area of AH-5 could not be safely remediated due to the numerous lines in the area and access issues.

Composite confirmation samples were collected every 200 square feet to ensure proper removal of the impacted soils. A total of twenty-four bottom hole samples (Bottom Hole 1 through Bottom Hole 24) and twenty-five sidewall samples (North #1 Sidewall through North #7 Sidewall, East #1 Sidewall through East #6 Sidewall, West #1 Sidewall through West #6 Sidewall, and South #1 Sidewall through South #6 Sidewall) were collected. All collected samples were analyzed for TPH analysis by EPA method 8015 modified, BTEX by EPA Method 8021B and chloride by EPA method 300.0. Copies of laboratory analysis and chain-of-custody documentation are included in Appendix C. The results of the sampling are summarized in Table 2. The sample locations are shown on Figure 4.





Referring to Table 2, none of the samples collected showed any benzene, total BTEX, or TPH concentrations above the laboratory reporting limits. The areas of North #5 Sidewall and South #1 Sidewall showed chloride concentrations of 1,300 mg/kg and 3,760 mg/kg, respectively. These areas were not expanded at the time, due to safety concerns and the underground lines in the area. The remaining bottom hole and sidewall samples showed chloride concentrations below the 600 mg/kg threshold.

Once the excavation was complete, the areas were backfilled to surface grade and all excavated material was hauled for proper disposal.

### Work Plan

Based on the previous laboratory results, EOG will further sample the areas of North #5 Sidewall, South #1 Sidewall, and AH-5, to collect current data and attempt to find delineation. The remaining impact will be remediated to the most stringent thresholds. Once remediation activities are complete, bottom hole and sidewall confirmation samples will be collected every 200 square feet to ensure concentrations are reported below the determined RRALs. The final C-141 is enclosed in Appendix A. If you have any questions or comments concerning the assessment for this site, please call at (432) 682-4559.

Respectfully submitted,  
TETRA TECH

A handwritten signature in blue ink, appearing to read 'Brittany Long'.

Brittany Long,  
Project Manager

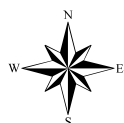
A handwritten signature in blue ink, appearing to read 'Clair Gonzales'.

Clair Gonzales, P.G.  
Senior Project Manager

## Figures



● SITE LOCATION



0 10,416.5 20,833

Approximate Scale in Feet

Service Layer Credits: Sources: Esri, HERE, Garmin, USGS, Intermap, INCREMENT P, NRCan, Esri Japan, METI, Esri China (Hong Kong), Esri Korea, Esri (Thailand), NGCC, (c) OpenStreetMap contributors, and the GIS User Community  
Sources: Esri, HERE, Garmin, Intermap, increment P Corp., GEBCO, USGS, FAO,

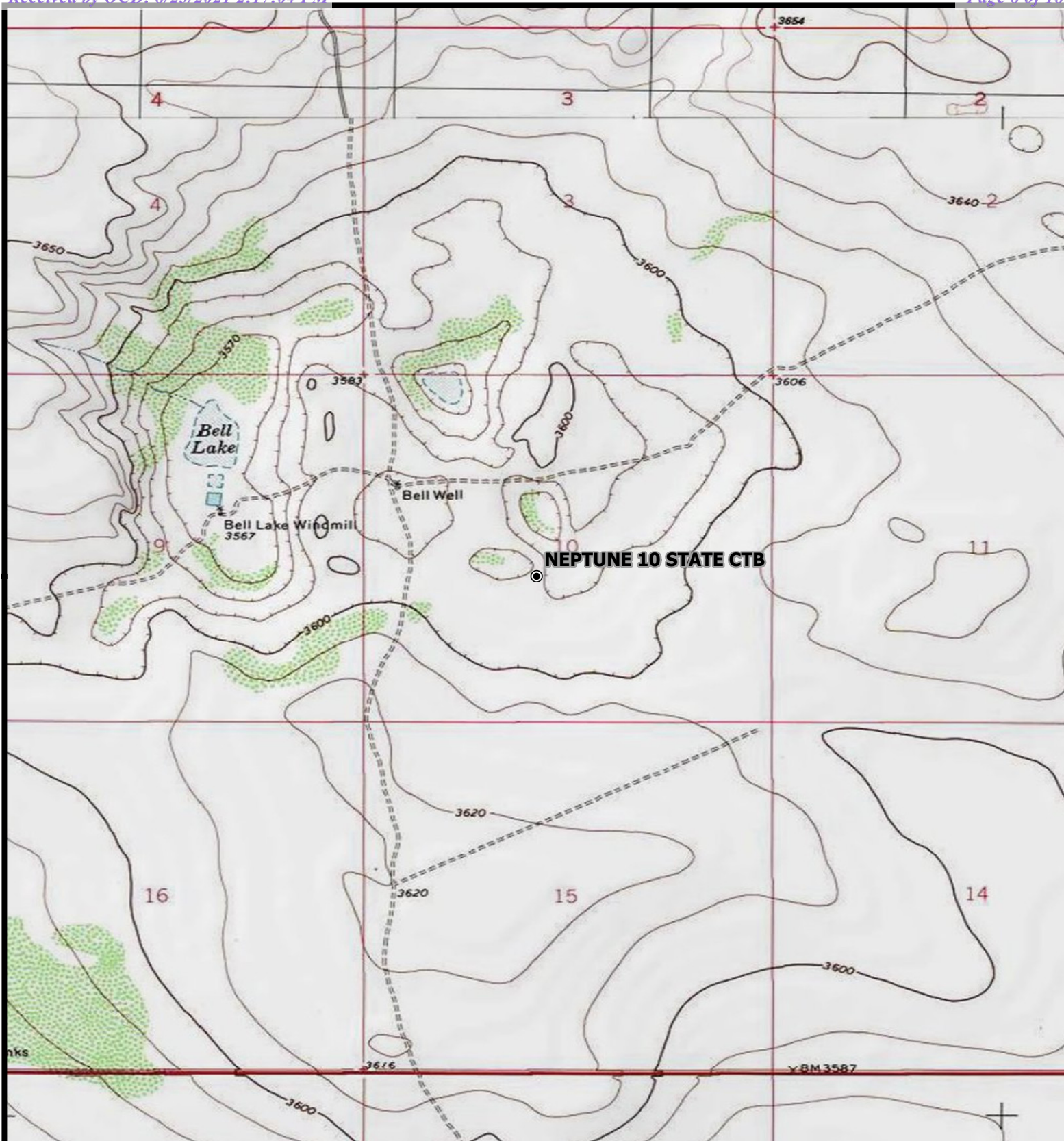


OVERVIEW MAP  
NEPTUNE 10 STATE CTB  
Property Located at 32.230939°, -103.561469°  
LEA COUNTY, NEW MEXICO

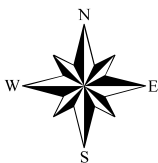


FIGURE  
1





● SITE LOCATION



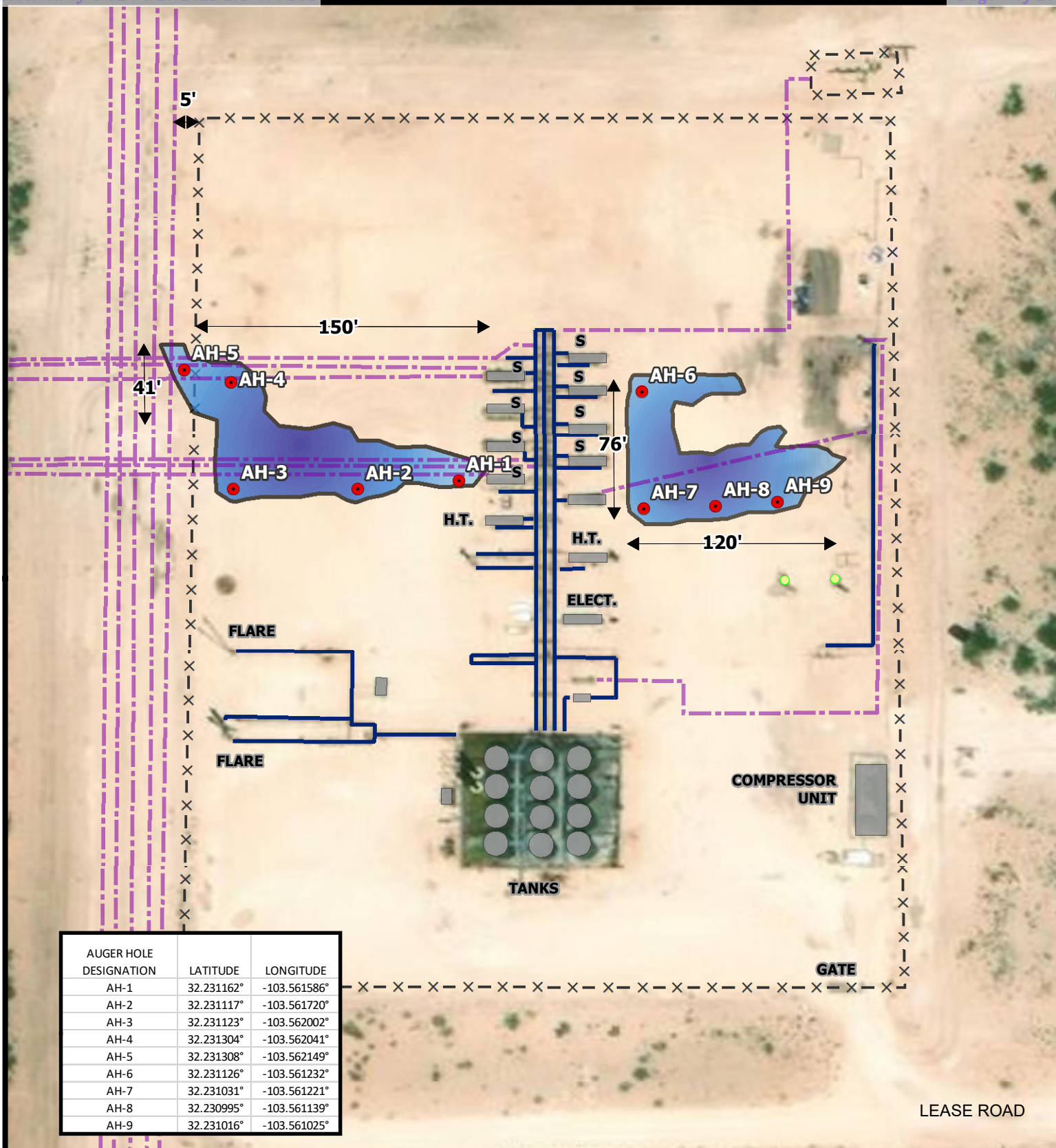
0 1,000 2,000  
Approximate Scale in Feet

TOPOGRAPHIC MAP  
NEPTUNE 10 STATE CTB  
Property Located at 32.230939°, -103.561469°  
LEA COUNTY, NEW MEXICO

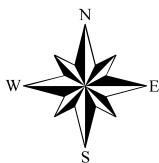


FIGURE  
2





- AUGERHOLE SAMPLE POINTS
- POWER POLE
- EQUIPMENT
- PROCESS PIPE
- BURIED PIPELINE
- x-x-x-x-x FENCE
- SPILL

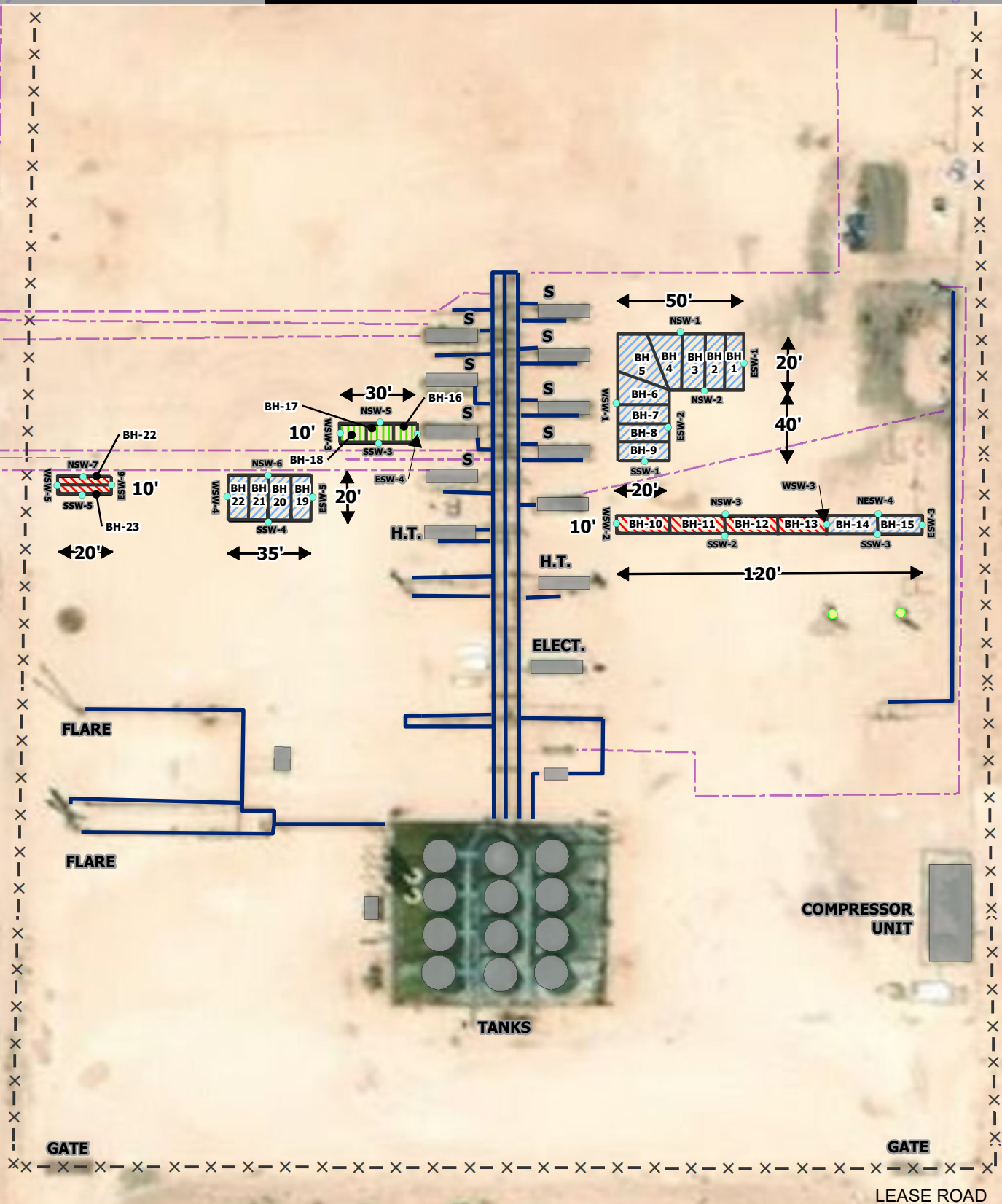


0 45 90  
Approximate Scale in Feet

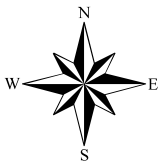
**SPILL ASSESSMENT MAP**  
**NEPTUNE 10 STATE CTB**  
 Property Located at coordinates 32.230939°, -103.561469°  
 LEA COUNTY, NEW MEXICO



**FIGURE**  
3



- SIDEWALL SAMPLES
  - POWER POLE
  - PROCESS PIPE
  - × — FENCE
  - 1.0' EXCAVATED DEPTH
  - 2.0' EXCAVATED DEPTH
  - 3.0' EXCAVATED DEPTH
  - EQUIPMENT
- BH = BOTTOM HOLES



0 35 70  
Approximate Scale in Feet

### EXCAVATION AREA & DEPTH MAP

NEPTUNE 10 STATE CTB

Property Located at coordinates 32.230939°, -103.561469°  
LEA COUNTY, NEW MEXICO



FIGURE  
4

## Tables

**Table 1**  
**EOG**  
**Neptune 10**  
**Lea County, New Mexico**

| Sample ID | Sample Date | BEB Depth (ft) | Sample Depth (ft) | Soil Status |         | TPH (mg/kg) |       |       |       | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-----------|-------------|----------------|-------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|           |             |                |                   | In-Situ     | Removed | GRO         | DRO   | MRO   | Total |                 |                 |                      |                |                    |                  |
| AH-1      | 6/27/2019   |                | 0-1               |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00200        | <0.00200        | 0.00286              | <0.00200       | 0.00286            | 18.5             |
|           | "           |                | 1-1.5             |             | X       | <14.9       | <14.9 | <14.9 | <14.9 | <0.00201        | <0.00201        | <0.00201             | <0.00201       | <0.00201           | 4,940            |
|           | "           |                | 2-2.5             |             | X       | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 1,470            |
|           | "           |                | 3-3.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 57.2             |
|           | "           |                | 4-4.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 84.0             |
|           | "           |                | 5-5.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 25.4             |
| AH-2      | 6/27/2019   |                | 0-1               |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00201        | <0.00201        | <0.00201             | <0.00201       | <0.00201           | 909              |
|           | "           |                | 1-1.5             | X           |         | <15.0       | <15.0 | <15.0 | <15.0 | <0.00198        | <0.00198        | <0.00198             | <0.00198       | <0.00198           | 354              |
|           | "           |                | 2-2.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 218              |
|           | "           |                | 3-3.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 301              |
|           | "           |                | 4-4.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 126              |
| AH-3      | 6/27/2019   |                | 0-1               |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 974              |
|           | "           |                | 1-1.5             |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 841              |
|           | "           |                | 2-2.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 204              |
|           | "           |                | 3-3.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 156              |
|           | "           |                | 4-4.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 88.9             |
|           | "           |                | 5-5.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 37.9             |
| AH-4      | 6/28/2019   |                | 0-1               | X           |         | <15.0       | <15.0 | <15.0 | <15.0 | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 11.1             |
|           | "           |                | 1-1.5             | X           |         | <15.0       | <15.0 | <15.0 | <15.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 75.9             |
|           | "           |                | 2-2.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 171              |
|           | "           |                | 3-3.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 92.9             |
|           | "           |                | 4-4.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 70.6             |
| AH-5      | 6/27/2019   |                | 0-1               |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00202        | <0.00202        | <0.00202             | <0.00202       | <0.00202           | 2,080            |
|           | "           |                | 1-1.5             |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 1,090            |
|           | "           |                | 2-2.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 567              |
|           | "           |                | 3-3.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 229              |
|           | "           |                | 4-4.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 301              |
|           | "           |                | 5-5.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 307              |
|           | "           |                | 6-6.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 196              |
|           | "           |                | 7-7.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 437              |
| AH-6      | 6/27/2019   |                | 0-1               |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 4,380            |
|           | "           |                | 1-1.5             | X           |         | <15.0       | <15.0 | <15.0 | <15.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 585              |
|           | "           |                | 2-2.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 99.8             |
|           | "           |                | 3-3.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 127              |
|           | "           |                | 4-4.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 28.3             |
| AH-7      | 6/27/2019   |                | 0-1               |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 3,850            |
|           | "           |                | 1-1.5             | X           |         | <15.0       | <15.0 | <15.0 | <15.0 | <0.00201        | <0.00201        | <0.00201             | <0.00201       | <0.00201           | 513              |
|           | "           |                | 2-2.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 14.7             |
|           | "           |                | 3-3.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 11.0             |
|           | "           |                | 4-4.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 93.4             |
| AH-8      | 6/27/2019   |                | 0-1               |             | X       | <14.9       | <14.9 | <14.9 | <14.9 | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 2,390            |
|           | "           |                | 1-1.5             |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 905              |
| AH-9      | 6/27/2019   |                | 0-1               |             | X       | <15.0       | <15.0 | <15.0 | <15.0 | <0.00200        | <0.00200        | <0.00200             | <0.00200       | <0.00200           | 906              |
|           | "           |                | 1-1.5             | X           |         | <15.0       | <15.0 | <15.0 | <15.0 | <0.00199        | <0.00199        | <0.00199             | <0.00199       | <0.00199           | 102              |
|           | "           |                | 2-2.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 100              |
|           | "           |                | 3-3.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 65.9             |
|           | "           |                | 4-4.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 10.5             |
|           | "           |                | 5-5.5             | X           |         | -           | -     | -     | -     | -               | -               | -                    | -              | -                  | 12.0             |



**Table 2**  
**EOG**  
**Neptune 10**  
**Lea County, New Mexico**

| Sample ID         | Sample Date | BEB Depth (ft) | Sample Depth (ft) | Soil Status |         | TPH (mg/kg) |       |       |       | Benzene (mg/kg) | Toluene (mg/kg) | Ethylbenzene (mg/kg) | Xylene (mg/kg) | Total BTEX (mg/kg) | Chloride (mg/kg) |
|-------------------|-------------|----------------|-------------------|-------------|---------|-------------|-------|-------|-------|-----------------|-----------------|----------------------|----------------|--------------------|------------------|
|                   |             |                |                   | In-Situ     | Removed | GRO         | DRO   | MRO   | Total |                 |                 |                      |                |                    |                  |
| Bottom Hole 1     | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 240              |
| Bottom Hole 2     | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| Bottom Hole 3     | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| Bottom Hole 4     | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| Bottom Hole 5     | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 80.0             |
| Bottom Hole 6     | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.57                | <0.150         | <0.300             | 80.0             |
| Bottom Hole 7     | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 80.0             |
| Bottom Hole 8     | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| Bottom Hole 9     | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 96.0             |
| Bottom Hole 10    | 10/31/2019  | 2              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| Bottom Hole 11    | 10/31/2019  | 2              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| Bottom Hole 12    | 10/31/2019  | 2              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| Bottom Hole 13    | 10/31/2019  | 2              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
| Bottom Hole 14    | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| Bottom Hole 15    | 10/31/2019  | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| Bottom Hole 16    | 11/5/2019   | 3              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 176              |
| Bottom Hole 17    | 11/5/2019   | 3              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
| Bottom Hole 18    | 11/5/2019   | 3              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| Bottom Hole 19    | 11/5/2019   | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
| Bottom Hole 20    | 11/5/2019   | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 64.0             |
| Bottom Hole 21    | 11/5/2019   | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 96.0             |
| Bottom Hole 22    | 11/5/2019   | 1              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| Bottom Hole 23    | 11/5/2019   | 2              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | <16.0            |
| Bottom Hole 24    | 11/5/2019   | 2              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| North #1 Sidewall | 10/31/2019  | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| North #2 Sidewall | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| North #3 Sidewall | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| North #4 Sidewall | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | <16.0            |
| North #5 Sidewall | 11/5/2019   | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 1,300            |
| North #6 Sidewall | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 80.0             |
| North #7 Sidewall | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| East #1 Sidewall  | 10/31/2019  | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 96.0             |
| East #2 Sidewall  | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 96.0             |
| East #3 Sidewall  | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | <16.0            |
| East #4 Sidewall  | 11/5/2019   | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 496              |
| East #5 Sidewall  | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| East #6 Sidewall  | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| West #1 Sidewall  | 10/31/2019  | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| West #2 Sidewall  | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 144              |
| West #3 Sidewall  | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
| West #4 Sidewall  | 11/5/2019   | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 112              |
| West #5 Sidewall  | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| West #6 Sidewall  | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| South #1 Sidewall | 10/31/2019  | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 3,760            |
| South #2 Sidewall | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 16.0             |
| South #3 Sidewall | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
| South #4 Sidewall | 11/5/2019   | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 48.0             |
| South #5 Sidewall | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | 32.0             |
| South #6 Sidewall | "           | -              | -                 | X           |         | <10.0       | <10.0 | <10.0 | <10.0 | <0.050          | <0.050          | <0.050               | <0.150         | <0.300             | <16.0            |

## Photos

EOG Resources  
Neptune 10 State CTB  
Lea County, New Mexico



View West – Excavated Areas of AH-1 and AH-2



View Southwest – Excavated areas of AH-3



EOG Resources  
Neptune 10 State CTB  
Lea County, New Mexico



View West – Excavated Area of AH-6



View East – Excavated areas of AH-7, AH-8, and AH-9

## Appendix A

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

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

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

|                |                |
|----------------|----------------|
| Incident ID    | NDHR1917862601 |
| District RP    | 1RP-5582       |
| Facility ID    |                |
| Application ID | pDHR1917861617 |

## Release Notification

### Responsible Party

|  |   |
|--|---|
| Responsible Party EOG Resources                                | OGRID 7377                                  |
| Contact Name Todd Wells  | Contact Telephone (432) 686-3613            |
| Contact email Todd_Wells@eogresources.com                      | Incident # (assigned by OCD) NDHR1917862601 |
| Contact mailing address 5509 Champions Drive Midland, TX 79706 |   |

### Location of Release Source

Latitude 32.231193° Longitude -103.561633°  
(NAD 83 in decimal degrees to 5 decimal places)

|                                |                        |
|--------------------------------|------------------------|
| Site Name Neptune 10 State CTB | Site Type EOG Facility |
| Date Release Discovered 6/5/19 | API# (if applicable)   |

| Unit Letter        | Section | Township | Range | County |
|--------------------|---------|----------|-------|--------|
| K<br>DHR 6/27/2019 | 10      | 24S      | 33E   | Lea    |

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☐ Private (Name: \_\_\_\_\_)

### Nature and Volume of Release

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

|  |  |   |
|--|--|---|
| <input checked="" type="checkbox"/> Crude Oil      | Volume Released (bbls) 1   | Volume Recovered (bbls) 1   |
| <input checked="" type="checkbox"/> Produced Water | Volume Released (bbls) 7   | Volume Recovered (bbls) 5   |
|  | Is the concentration of dissolved chloride in the produced water >10,000 mg/l? | <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No |
| <input type="checkbox"/> Condensate                | Volume Released (bbls)   | Volume Recovered (bbls)   |
| <input type="checkbox"/> Natural Gas               | Volume Released (Mcf)  | Volume Recovered (Mcf)  |
| <input type="checkbox"/> Other (describe)          | Volume/Weight Released (provide units)   | Volume/Weight Recovered (provide units)                             |

Cause of Release: A pin hole was discovered on the high pressure water dump line of the separator causing the release to the location. Approximately 8 bbls of water and oil was released and 6 bbls recovered.

|                |                |
|----------------|----------------|
| Incident ID    | NDHR1917862601 |
| District RP    | 1RP-5582       |
| Facility ID    |                |
| Application ID | pDHR1917861617 |

|  |   |
|--|---|
| <p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p> | <p>If YES, for what reason(s) does the responsible party consider this a major release?</p> |
| <p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>                          |   |

## Initial Response

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

|  |  |
|--|--|
| <input checked="" type="checkbox"/> The source of the release has been stopped.<br><input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment.<br><input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices.<br><input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.   |  |
| If all the actions described above have <u>not</u> been undertaken, explain why:   |  |
|  |  |
| Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.  |  |
| I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations. |  |
| Printed Name: <u>Todd Wells</u>  | Title: <u>Environmental Specialist</u> |
| Signature: <u>Todd Wells</u>   | Date: <u>6-21-19</u>                   |
| email: <u>Todd_Wells@eogresources.com</u>  | Telephone: <u>(432) 686-3613</u>       |
| <b><u>OCD Only</u></b>   |  |
| Received by: <u>Dylan Rose-Coss</u>  | Date: <u>06/27/2019</u>                |

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

## Site Assessment/Characterization

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

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

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

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

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

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



State of New Mexico  
Oil Conservation Division

Page 4

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Todd Wells Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

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

## Remediation Plan

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

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

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

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

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

Printed Name: \_\_\_\_\_ Title: \_\_\_\_\_

Signature: Todd Wells Date: \_\_\_\_\_

email: \_\_\_\_\_ Telephone: \_\_\_\_\_

**OCD Only**

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

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

Signature: \_\_\_\_\_ Date: \_\_\_\_\_

## Appendix B

**Water Well Data**  
**Average Depth to Groundwater (ft)**  
**EOG - Neptune 10 State CTB, Lea County, New Mexico**

| 23 South |    |    | 32 East |    |    |
|----------|----|----|---------|----|----|
| 6        | 5  | 4  | 3       | 2  | 1  |
| 7        | 8  | 9  | 10      | 11 | 12 |
| 18       | 17 | 16 | 15      | 14 | 13 |
| 19       | 20 | 21 | 22      | 23 | 24 |
| 30       | 29 | 28 | 27      | 26 | 25 |
| 31       | 32 | 33 | 34      | 35 | 36 |

| 23 South |    |    | 33 East |    |    |
|----------|----|----|---------|----|----|
| 6        | 5  | 4  | 3       | 2  | 1  |
| 7        | 8  | 9  | 10      | 11 | 12 |
| 18       | 17 | 16 | 15      | 14 | 13 |
| 19       | 20 | 21 | 22      | 23 | 24 |
| 30       | 29 | 28 | 27      | 26 | 25 |
| 31       | 32 | 33 | 34      | 35 | 36 |

| 23 South |     |     | 34 East |     |    |
|----------|-----|-----|---------|-----|----|
| 6        | 329 | 5   | 4       | 3   | 2  |
| 7        | 8   | 255 | 9       | 10  | 11 |
| 18       | 17  | 16  | 345     | 15  | 14 |
| 19       | 20  | 21  | 22      | 282 | 23 |
| 30       | 29  | 28  | 27      | 265 | 25 |
| 31       | 32  | 160 | 33      | 34  | 35 |
|          | 130 |     |         |     |    |

| 24 South |    |    | 32 East |    |    |
|----------|----|----|---------|----|----|
| 6        | 5  | 4  | 3       | 2  | 1  |
| 7        | 8  | 9  | 10      | 11 | 12 |
| 18       | 17 | 16 | 15      | 14 | 13 |
| 19       | 20 | 21 | 22      | 23 | 24 |
| 30       | 29 | 28 | 27      | 26 | 25 |
| 31       | 32 | 33 | 34      | 35 | 36 |

| 24 South |    |    | 33 East |    |    |
|----------|----|----|---------|----|----|
| 6        | 5  | 4  | 3       | 2  | 1  |
| 7        | 8  | 9  | 10      | 20 | 11 |
| 18       | 17 | 16 | 15      | 22 | 13 |
| 19       | 20 | 21 | 22      | 23 | 24 |
| 30       | 29 | 28 | 27      | 26 | 25 |
| 31       | 32 | 33 | 34      | 35 | 36 |

| 24 South |    |    | 34 East |    |    |
|----------|----|----|---------|----|----|
| 6        | 5  | 4  | 3       | 2  | 1  |
| 7        | 8  | 9  | 10      | 11 | 12 |
| 18       | 17 | 16 | 15      | 14 | 13 |
| 19       | 20 | 21 | 22      | 23 | 24 |
| 30       | 29 | 28 | 27      | 26 | 25 |
| 31       | 32 | 33 | 34      | 35 | 36 |

| 25 South |    |    | 32 East |    |    |
|----------|----|----|---------|----|----|
| 6        | 5  | 4  | 3       | 2  | 1  |
| 7        | 8  | 9  | 10      | 11 | 12 |
| 18       | 17 | 16 | 15      | 14 | 13 |
| 19       | 20 | 21 | 22      | 23 | 24 |
| 30       | 29 | 28 | 27      | 26 | 25 |
| 31       | 32 | 33 | 34      | 35 | 36 |

| 25 South |    |    | 33 East |    |     |
|----------|----|----|---------|----|-----|
| 6        | 5  | 90 | 4       | 3  | 172 |
| 7        | 8  | 9  | 10      | 11 | 12  |
| 18       | 17 | 16 | 15      | 14 | 13  |
| 19       | 20 | 21 | 22      | 23 | 24  |
| 30       | 29 | 28 | 27      | 26 | 25  |
| 31       | 32 | 33 | 34      | 35 | 36  |

| 25 South |    |    | 34 East |    |    |
|----------|----|----|---------|----|----|
| 6        | 5  | 4  | 3       | 2  | 1  |
| 7        | 8  | 9  | 10      | 11 | 12 |
| 18       | 17 | 16 | 15      | 14 | 13 |
| 19       | 20 | 21 | 22      | 23 | 24 |
| 30       | 29 | 50 | 28      | 27 | 26 |
| 31       | 32 | 33 | 34      | 35 | 36 |

88 New Mexico State Engineers Well Reports

105 USGS Well Reports

90 Geology and Groundwater Conditions in Southern Lea, County, NM (Report 6)

90 Geology and Groundwater Resources of Eddy County, NM (Report 3)

34 NMOCD - Groundwater Data

121 Abandoned Waterwell (recently measured)

**National Water Information System: Mapper**

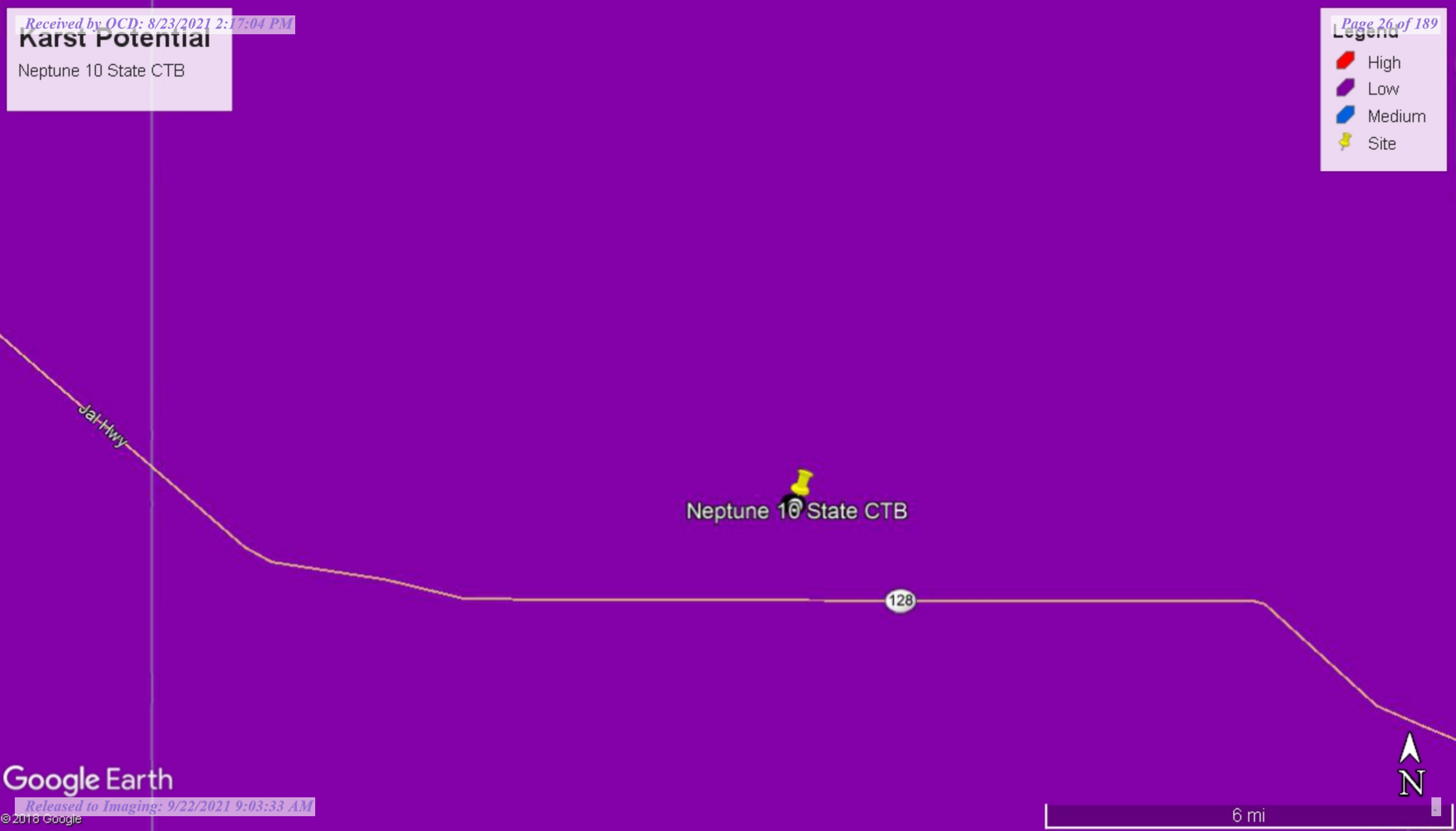
|  |   |
|--|---|
| <div>Sites</div> <div>Map</div>  |  |
| <div>Search</div> <div>Search by Street Address:<br/><input type="text" value="32.230939, -103.561469"/></div> <div>Search by Place Name:<br/><input type="text" value="Enter Place Name"/></div> <div>Search by Site Number(s):<br/><input type="text" value="Enter Site Number(s)"/></div> <div>Search by State/Territory:<br/><input type="text" value="Select an Area"/></div> <div>Search by Watershed Region:<br/><input type="text" value="Select a Region"/></div> | <div>Site Information</div>   |

# Karst Potential

Neptune 10 State CTB

## Legend

- High
- Low
- Medium
- Site





# 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        | Depth Well | Depth Water | Water Column |
|------------------------------|--------------|-------|--------|------|------|-----|-----|-----|-----|--------|----------|------------|-------------|--------------|
| <a href="#">C 02308</a>      |              | CUB   | LE     | 1    | 3    | 1   | 10  | 24S | 33E | 634953 | 3567364* | 40         | 20          | 20           |
| <a href="#">C 02309</a>      |              | CUB   | LE     | 2    | 2    | 2   | 25  | 24S | 33E | 639638 | 3562994* | 60         | 30          | 30           |
| <a href="#">C 02310</a>      |              | CUB   | LE     | 2    | 3    | 2   | 33  | 24S | 33E | 634437 | 3560918* | 120        | 70          | 50           |
| <a href="#">C 02311</a>      |              | CUB   | LE     | 2    | 3    | 2   | 33  | 24S | 33E | 634437 | 3560918* | 120        | 70          | 50           |
| <a href="#">C 02430</a>      |              | CUB   | LE     | 3    | 3    | 3   | 16  | 24S | 33E | 633377 | 3564732* | 643        | 415         | 228          |
| <a href="#">C 02431</a>      |              | CUB   | LE     | 4    | 4    | 4   | 17  | 24S | 33E | 633175 | 3564728* | 525        | 415         | 110          |
| <a href="#">C 02432</a>      |              | CUB   | LE     | 4    | 4    | 4   | 17  | 24S | 33E | 633175 | 3564728* | 640        | 415         | 225          |
| <a href="#">C 02563</a>      |              | CUB   | LE     | 1    | 4    | 2   | 33  | 24S | 33E | 634639 | 3560923* | 120        |             |              |
| <a href="#">C 02564</a>      |              | CUB   | LE     | 2    | 4    | 2   | 33  | 24S | 33E | 634839 | 3560923* | 120        |             |              |
| <a href="#">C 02890</a>      |              | C     | LE     | 2    | 4    | 29  |     | 24S | 33E | 633114 | 3562012* | 500        |             |              |
| <a href="#">C 03565 POD3</a> |              | CUB   | LE     | 3    | 4    | 08  |     | 24S | 33E | 632763 | 3566546  |            | 1533        |              |
| <a href="#">C 03591 POD1</a> |              | CUB   | LE     | 2    | 1    | 4   | 05  | 24S | 33E | 632731 | 3568518  |            |             |              |
| <a href="#">C 03600 POD1</a> |              | CUB   | LE     | 2    | 2    | 1   | 26  | 24S | 33E | 637275 | 3563023  |            |             |              |
| <a href="#">C 03600 POD2</a> |              | CUB   | LE     | 4    | 4    | 1   | 25  | 24S | 33E | 638824 | 3562329  |            |             |              |
| <a href="#">C 03600 POD3</a> |              | CUB   | LE     | 3    | 4    | 2   | 26  | 24S | 33E | 637784 | 3562340  |            |             |              |
| <a href="#">C 03600 POD4</a> |              | CUB   | LE     | 3    | 3    | 1   | 26  | 24S | 33E | 636617 | 3562293  |            |             |              |
| <a href="#">C 03600 POD5</a> |              | CUB   | LE     | 3    | 2    | 4   | 26  | 24S | 33E | 637857 | 3562020  |            |             |              |
| <a href="#">C 03600 POD6</a> |              | CUB   | LE     | 3    | 1    | 4   | 26  | 24S | 33E | 637383 | 3562026  |            |             |              |
| <a href="#">C 03600 POD7</a> |              | CUB   | LE     | 3    | 1    | 3   | 26  | 24S | 33E | 636726 | 3561968  |            |             |              |
| <a href="#">C 03601 POD1</a> |              | CUB   | LE     | 4    | 4    | 2   | 23  | 24S | 33E | 638124 | 3563937  |            |             |              |
| <a href="#">C 03601 POD2</a> |              | CUB   | LE     | 3    | 2    | 4   | 23  | 24S | 33E | 637846 | 3563588  |            |             |              |
| <a href="#">C 03601 POD3</a> |              | CUB   | LE     | 1    | 3    | 3   | 24  | 24S | 33E | 638142 | 3563413  |            |             |              |
| <a href="#">C 03601 POD4</a> |              | CUB   | LE     | 3    | 3    | 3   | 24  | 24S | 33E | 638162 | 3561375  |            |             |              |
| <a href="#">C 03601 POD5</a> |              | CUB   | LE     | 2    | 4    | 4   | 23  | 24S | 33E | 637988 | 3563334  |            |             |              |
| <a href="#">C 03601 POD6</a> |              | CUB   | LE     | 1    | 4    | 4   | 23  | 24S | 33E | 637834 | 3563338  |            |             |              |
| <a href="#">C 03601 POD7</a> |              | CUB   | LE     | 4    | 4    | 4   | 23  | 24S | 33E | 637946 | 3563170  |            |             |              |

\*UTM location was derived from PLSS - see Help

(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<br>Sub-<br>Code | basin | County | Q 64 | Q 16 | Q 4 | Sec | Tws | Rng    | X       | Y   | Depth<br>Well | Depth<br>Water | Water<br>Column |
|------------------------------|---------------------|-------|--------|------|------|-----|-----|-----|--------|---------|---|---------------|----------------|-----------------|
| <a href="#">C 03602 POD2</a> | CUB                 | LE    | 4      | 4    | 1    | 25  | 24S | 33E | 638824 | 3562329 |    |               |                |                 |
| <a href="#">C 03603 POD1</a> | CUB                 | LE    | 3      | 2    | 2    | 35  | 24S | 33E | 637805 | 3561225 |    |               |                |                 |
| <a href="#">C 03603 POD2</a> | CUB                 | LE    | 3      | 1    | 2    | 35  | 24S | 33E | 637384 | 3561167 |    |               |                |                 |
| <a href="#">C 03603 POD3</a> | CUB                 | LE    | 4      | 1    | 1    | 35  | 24S | 33E | 636890 | 3561092 |    |               |                |                 |
| <a href="#">C 03603 POD4</a> | CUB                 | LE    | 3      | 2    | 4    | 35  | 24S | 33E | 637789 | 3560461 |    |               |                |                 |
| <a href="#">C 03603 POD5</a> | CUB                 | LE    | 3      | 3    | 2    | 35  | 24S | 33E | 636745 | 3560767 |    |               |                |                 |
| <a href="#">C 03603 POD6</a> | CUB                 | LE    | 3      | 1    | 3    | 35  | 24S | 33E | 636749 | 3560447 |    |               |                |                 |
| <a href="#">C 03662 POD1</a> | C                   | LE    | 3      | 1    | 2    | 23  | 24S | 33E | 637342 | 3564428 |    | 550           | 110            | 440             |
| <a href="#">C 03666 POD1</a> | C                   | LE    | 2      | 3    | 4    | 13  | 24S | 33E | 639132 | 3565078 |    | 650           | 390            | 260             |
| <a href="#">C 03679 POD1</a> | C                   | ED    | 1      | 4    | 2    | 14  | 24S | 33E | 603567 | 3581547 |    | 700           | 575            | 125             |
| <a href="#">C 03917 POD1</a> | C                   | LE    | 4      | 1    | 3    | 13  | 24S | 33E | 638374 | 3565212 |    | 600           | 420            | 180             |
| <a href="#">C 04014 POD2</a> | CUB                 | LE    | 4      | 4    | 2    | 01  | 24S | 33E | 639656 | 3568917 |    | 95            | 81             | 14              |
| <a href="#">C 04014 POD3</a> | CUB                 | LE    | 2      | 4    | 2    | 01  | 24S | 33E | 639497 | 3569007 |  | 95            | 87             | 8               |
| <a href="#">C 04014 POD4</a> | CUB                 | LE    | 3      | 4    | 2    | 01  | 24S | 33E | 639295 | 3568859 |  | 96            | 86             | 10              |
| <a href="#">C 04014 POD5</a> | CUB                 | LE    | 1      | 4    | 2    | 01  | 24S | 33E | 639284 | 3569086 |  | 95            | 85             | 10              |

Average Depth to Water: **300 feet**

Minimum Depth: **20 feet**

Maximum Depth: **1533 feet**

Record Count: 41

PLSS Search:

Township: 24S

Range: 33E

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.

7/2/19 12:46 PM

Page 2 of 2

WATER COLUMN/ AVERAGE  
DEPTH TO WATER





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## National Water Information System: Web Interface

[USGS Water Resources](#)

Data Category:


Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- [Introducing The Next Generation of USGS Water Data for the Nation](#)
- [Full News](#) 

Groundwater levels for the Nation

### Search Results -- 1 sites found

site\_no list =

- 321348103340401

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 321348103340401 24S.33E.10.13123

Available data for this site

Groundwater: Field measurements

GO

Lea County, New Mexico

Hydrologic Unit Code 13070007

Latitude 32°14'04.9", Longitude 103°34'02.4" NAD83

Land-surface elevation 3,592 feet above NAVD88

The depth of the well is 36 feet below land surface.

This well is completed in the Ogallala Formation (121OGLL) local aquifer.

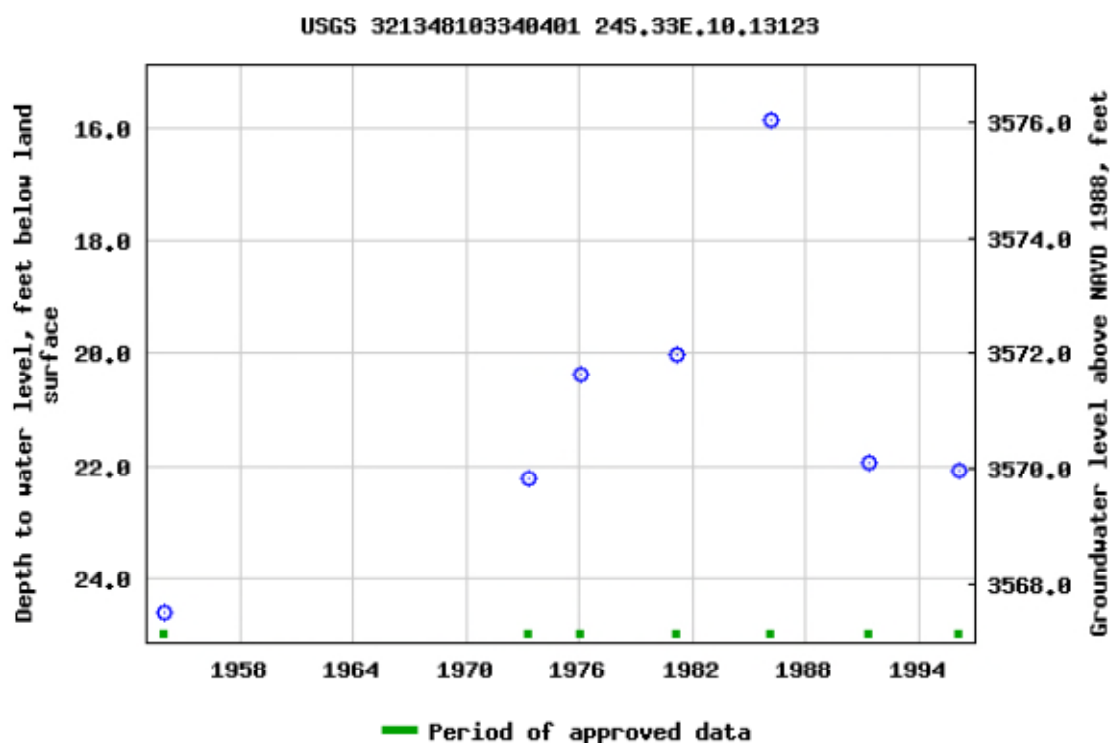
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.

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**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2019-07-02 14:49:30 EDT

1.06 0.89 nadww01



## NFHL Web Mapping Application



Data Layers

Measure

3602 ft



Search Result  
Y:32.230939 X:-103.561469

100m  
300ft

Princeton Rd

FEMA | Bureau of Land Management, Texas Parks & Wildlife

## Appendix C



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

---

November 01, 2019

MIKE CARMONA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: NEPTUNE 10 ST CTB

Enclosed are the results of analyses for samples received by the laboratory on 10/31/19 15:00.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 1 ( 1' BEB ) (H903726-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.92 | 95.8       | 2.00          | 4.21 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.92 | 95.8       | 2.00          | 3.85 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.4       | 2.00          | 3.06 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.81 | 96.8       | 6.00          | 2.72 |           |
| Total BTEX     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 240    | 16.0            | 11/01/2019 | ND              | 400 | 100        | 400           | 7.69 |           |

| 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            | 11/01/2019 | ND              | 228 | 114        | 200           | 7.39 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 226 | 113        | 200           | 8.27 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 92.5 % 41-142

Surrogate: 1-Chlorooctadecane 95.0 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 2 ( 1' BEB ) (H903726-02)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/01/2019 | ND              | 400 | 100        | 400           | 7.69 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: MS |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 10/31/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/31/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/31/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 123 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 3 ( 1' BEB ) (H903726-03)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 105 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 11/01/2019 | 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            | 10/31/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/31/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/31/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 117 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 4 ( 1' BEB ) (H903726-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 11/01/2019 | 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            | 10/31/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/31/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/31/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 125 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 5 ( 1' BEB ) (H903726-05)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 106 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 11/01/2019 | 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            | 10/31/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/31/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/31/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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 MIKE CARMONA  
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 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 6 ( 1' BEB ) (H903726-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | 0.057  | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 11/01/2019 | 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            | 10/31/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 10/31/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 10/31/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 112 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM HOLE # 7 ( 1' BEB ) (H903726-07)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 119 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 121 % 37.6-147

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 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 8 ( 1' BEB ) (H903726-08)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 112 % 41-142

Surrogate: 1-Chlorooctadecane 119 % 37.6-147

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**Analytical Results For:**

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 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 9 ( 1' BEB ) (H903726-09)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 104 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 106 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM HOLE # 10 ( 2' BEB ) (H903726-10)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 11 ( 2' BEB ) (H903726-11)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 111 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 121 % 41-142

Surrogate: 1-Chlorooctadecane 128 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 12 ( 2' BEB ) (H903726-12)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 108 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM HOLE # 13 ( 2' BEB ) (H903726-13)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 119 % 41-142

Surrogate: 1-Chlorooctadecane 126 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 10/31/2019        | Sampling Date:      | 10/31/2019     |
| Reported:         | 11/01/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 14 ( 1' BEB ) (H903726-14)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 103 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 124 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM HOLE # 15 ( 1' BEB ) (H903726-15)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.59 | 79.5       | 2.00          | 6.17 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.49 | 74.6       | 2.00          | 2.15 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.50 | 75.2       | 2.00          | 2.50 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 4.60 | 76.7       | 6.00          | 1.29 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.9 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NORTH # 1 SIDEWALL (H903726-16)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 114 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NORTH # 2 SIDEWALL (H903726-17)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |
| Total BTEX     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 113 % 41-142

Surrogate: 1-Chlorooctadecane 118 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NORTH # 3 SIDEWALL (H903726-18)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NORTH # 4 SIDEWALL (H903726-19)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 123 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EAST # 1 SIDEWALL (H903726-20)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 112 % 41-142

Surrogate: 1-Chlorooctadecane 119 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EAST # 2 SIDEWALL (H903726-21)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 223 | 112        | 200           | 1.05 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.22 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 113 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EAST # 3 SIDEWALL (H903726-22)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.60 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 226 | 113        | 200           | 2.40 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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 MIKE CARMONA  
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 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WEST # 1 SIDEWALL (H903726-23)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |
| Total BTX      | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 112    | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.60 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 226 | 113        | 200           | 2.40 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 113 % 41-142

Surrogate: 1-Chlorooctadecane 117 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WEST # 2 SIDEWALL (H903726-24)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 144    | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.60 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 226 | 113        | 200           | 2.40 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 116 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WEST # 3 SIDEWALL (H903726-25)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.60 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 226 | 113        | 200           | 2.40 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 110 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SOUTH # 1 SIDEWALL (H903726-26)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 3760   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.60 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 226 | 113        | 200           | 2.40 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 100 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SOUTH # 2 SIDEWALL (H903726-27)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.60 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 226 | 113        | 200           | 2.40 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 118 % 41-142

Surrogate: 1-Chlorooctadecane 122 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 10/31/2019  
 Reported: 11/01/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 10/31/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SOUTH # 3 SIDEWALL (H903726-28)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.6       | 2.00          | 3.05 |           |
| Toluene*       | <0.050 | 0.050           | 11/01/2019 | ND              | 1.91 | 95.4       | 2.00          | 2.45 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/01/2019 | ND              | 1.95 | 97.5       | 2.00          | 2.26 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/01/2019 | ND              | 5.83 | 97.2       | 6.00          | 2.37 |           |
| Total BTX      | <0.300 | 0.300           | 11/01/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/01/2019 | 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            | 11/01/2019 | ND              | 225 | 112        | 200           | 1.60 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/01/2019 | ND              | 226 | 113        | 200           | 2.40 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/01/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 115 % 41-142

Surrogate: 1-Chlorooctadecane 120 % 37.6-147

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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 "Celey D. Keene".

---

Celey D. Keene, Lab Director/Quality Manager

EE JO 13 egaD

## Analysis Request of Chain of Custody Record

Page 1 of 3



Tetra Tech, Inc.

 901W Wall Street, Ste 100  
 Midland, Texas 79705  
 Tel (432) 682-4559  
 Fax (432) 682-3946

|   |  |                                    |  |
|---|--|------------------------------------|--|
| Client Name: EOG                                |  | Site Manager: Mike Carmona         |  |
| Project Name: Neptune 10 St CTB                 |  |                                    |  |
| Project Location: Lea Co, NM                    |  | Project #: 212C-MD-01816           |  |
| Invoice to: EOG - <del>Neptune</del> TODD WELLS |  |                                    |  |
| Receiving Laboratory: Cardinal                  |  | Sampler Signature: Conner Moehring |  |
| Comments:                                       |  |                                    |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION    | SAMPLING |      | MATRIX | PRESERVATIVE METHOD |      |     |                  |     | # CONTAINERS | FILTERED (Y/N) |      |
|-------------------------|--------------------------|----------|------|--------|---------------------|------|-----|------------------|-----|--------------|----------------|------|
|                         |                          | DATE     | TIME |        | WATER               | SOIL | HCL | HNO <sub>3</sub> | ICE |              |                | None |
|                         |                          |          |      |        |                     |      |     |                  |     |              |                |      |
| 1                       | Bottom Hole #1 (1' BEB)  | 10/31/19 |      | X      |                     |      |     | X                |     |              | 1              | 2    |
| 2                       | Bottom Hole #2 (1' BEB)  |          |      | X      |                     |      |     | X                |     |              | 1              | 2    |
| 3                       | Bottom Hole #3 (1' BEB)  |          |      | X      |                     |      |     | X                |     |              | 1              | 2    |
| 4                       | Bottom Hole #4 (1' BEB)  |          |      | X      |                     |      |     | X                |     |              | 1              | 2    |
| 5                       | Bottom Hole #5 (1' BEB)  |          |      | X      |                     |      |     | X                |     |              | 1              | 2    |
| 6                       | Bottom Hole #6 (1' BEB)  |          |      | X      |                     |      |     | X                |     |              | 1              | 2    |
| 7                       | Bottom Hole #7 (1' BEB)  |          |      | X      |                     |      |     | X                |     |              | 1              | 2    |
| 8                       | Bottom Hole #8 (1' BEB)  |          |      | X      |                     |      |     | X                |     |              | 1              | 2    |
| 9                       | Bottom Hole #9 (1' BEB)  |          |      | X      |                     |      |     | X                |     |              | 1              | 2    |
| 10                      | Bottom Hole #10 (2' BEB) |          |      | X      |                     |      |     | X                |     |              | 1              | 2    |

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

| ANALYSIS REQUEST<br>(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                               |
| Hold   |

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:



Analysis Request of Custody Record



**Tetra Tech, Inc.**

901W Wall Street, Ste 100  
Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

Client Name: **EOG** Site Manager: **Mike Carmona**

Project Name: **Neptune 10 St CTB**

Project Location: **Lea Co, NM** Project #: **212C-MD-01816**

Invoice to: **EOG - ~~Neptune 10 St CTB~~ TODD WELLS**

Receiving Laboratory: **Cardinal** Sampler Signature: **Conner Moehring**

Comments:

|                                    |                       |            |      |        |  |                     |      |     |                  |              |                |  |
|------------------------------------|-----------------------|------------|------|--------|--|---------------------|------|-----|------------------|--------------|----------------|--|
| LAB #<br><div>(LAB USE ONLY)</div> | SAMPLE IDENTIFICATION | SAMPLING   |      | MATRIX |  | PRESERVATIVE METHOD |      |     |                  | # CONTAINERS | FILTERED (Y/N) |  |
|                                    |                       | YEAR: 2019 |      |        |  | WATER               | SOIL | HCL | HNO <sub>3</sub> | ICE          | None           |  |
|                                    |                       | DATE       | TIME |        |  |                     |      |     |                  |              |                |  |

|    |                          |  |          |  |   |  |  |  |  |  |   |   |
|----|--------------------------|--|----------|--|---|--|--|--|--|--|---|---|
| 11 | Bottom Hole #11 (2' BEB) |  | 10/31/19 |  | X |  |  |  |  |  | 1 | 2 |
| 12 | Bottom Hole #12 (2' BEB) |  |          |  | X |  |  |  |  |  | 1 | 2 |
| 13 | Bottom Hole #13 (2' BEB) |  |          |  | X |  |  |  |  |  | 1 | 2 |
| 14 | Bottom Hole #14 (1' BEB) |  |          |  | X |  |  |  |  |  | 1 | 2 |
| 15 | Bottom Hole #15 (1' BEB) |  |          |  | X |  |  |  |  |  | 1 | 2 |
| 16 | North #1 Sidewall        |  |          |  | X |  |  |  |  |  | 1 | 2 |
| 17 | North #2 Sidewall        |  |          |  | X |  |  |  |  |  | 1 | 2 |
| 18 | North #3 Sidewall        |  |          |  | X |  |  |  |  |  | 1 | 2 |
| 19 | North #4 Sidewall        |  |          |  | X |  |  |  |  |  | 1 | 2 |
| 20 | East #1 Sidewall         |  |          |  | X |  |  |  |  |  | 1 | 2 |

Relinquished by: **Conner Moehring** Date: **10/31/19** Time: **1500**  
Received by: **Mike Carmona** Date: **10/31/19** Time: **1500**  
Relinquished by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_  
Received by: \_\_\_\_\_ Date: \_\_\_\_\_ Time: \_\_\_\_\_

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

|                                     |   |                                     |            |
|-------------------------------------|---|-------------------------------------|------------|
| <input checked="" type="checkbox"/> | BTEX 8021B                                  | <input checked="" type="checkbox"/> | BTEX 8260B |
| <input checked="" type="checkbox"/> | TPH TX1005 (Ext to C35)                     |                                     |            |
| <input checked="" type="checkbox"/> | TPH 8015M ( GRO - DRO - ORO - MRO)          |                                     |            |
| <input checked="" type="checkbox"/> | PAH 8270C                                   |                                     |            |
| <input checked="" type="checkbox"/> | Total Metals Ag As Ba Cd Cr Pb Se Hg        |                                     |            |
| <input checked="" type="checkbox"/> | TCLP Metals Ag As Ba Cd Cr Pb Se Hg         |                                     |            |
| <input checked="" type="checkbox"/> | TCLP Volatiles                              |                                     |            |
| <input checked="" type="checkbox"/> | TCLP Semi Volatiles                         |                                     |            |
| <input checked="" type="checkbox"/> | RCI   |                                     |            |
| <input checked="" type="checkbox"/> | GC/MS Vol. 8260B / 624                      |                                     |            |
| <input checked="" type="checkbox"/> | GC/MS Semi. Vol. 8270C/625                  |                                     |            |
| <input checked="" type="checkbox"/> | PCB's 8082 / 608                            |                                     |            |
| <input checked="" type="checkbox"/> | NORM  |                                     |            |
| <input checked="" type="checkbox"/> | PLM (Asbestos)                              |                                     |            |
| <input checked="" type="checkbox"/> | Chloride                                    |                                     |            |
| <input checked="" type="checkbox"/> | Chloride Sulfate TDS                        |                                     |            |
| <input checked="" type="checkbox"/> | General Water Chemistry (see attached list) |                                     |            |
| <input checked="" type="checkbox"/> | Anion/Cation Balance                        |                                     |            |
| <input checked="" type="checkbox"/> | Hold  |                                     |            |

**LAB USE ONLY**  
Sample Temperature: **2.32**  
Remarks: ☒ **RUSH** Same Day **24 hr** 48 hr 72 hr  
☐ STANDARD  
☐ Rush Charges Authorized  
☐ Special Report Limits or TRRP Report

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cc jo cc eba d

## Analysis Request of Chain of Custody Record

Page 3 of 3



Tetra Tech, Inc.

901W Wall Street, Ste 100  
Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

|                                 |  |                                    |  |
|---------------------------------|--|------------------------------------|--|
| Client Name: EOG                |  | Site Manager: Mike Carmona         |  |
| Project Name: Neptune 10 St CTB |  |                                    |  |
| Project Location: Lea Co, NM    |  | Project #: 212C-MD-01816           |  |
| Invoice to: EOG - James Kennedy |  | Todd Wells                         |  |
| Receiving Laboratory: Cardinal  |  | Sampler Signature: Conner Moehring |  |
| Comments:                       |  |                                    |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX |      | PRESERVATIVE METHOD |                  | # CONTAINERS | FILTERED (Y/N) |     |      |
|-------------------------|-----------------------|----------|------|--------|------|---------------------|------------------|--------------|----------------|-----|------|
|                         |                       | DATE     | TIME | WATER  | SOIL | HCL                 | HNO <sub>3</sub> |              |                | ICE | None |
|                         |                       |          |      |        |      |                     |                  |              |                |     |      |
| 21                      | East #2 Sidewalk      | 10/31/19 |      | X      |      |                     |                  |              | 1              | 2   |      |
| 22                      | East #3 Sidewalk      | 10/31/19 |      | X      |      |                     |                  |              | 1              | 2   |      |
| 23                      | West #1 Sidewalk      | 10/31/19 |      | X      |      |                     |                  |              | 1              | 2   |      |
| 24                      | West #2 Sidewalk      | 10/31/19 |      | X      |      |                     |                  |              | 1              | 2   |      |
| 25                      | West #3 Sidewalk      | 10/31/19 |      | X      |      |                     |                  |              | 1              | 2   |      |
| 26                      | South #1 Sidewalk     | 10/31/19 |      | X      |      |                     |                  |              | 1              | 2   |      |
| 27                      | South #2 Sidewalk     | 10/31/19 |      | X      |      |                     |                  |              | 1              | 2   |      |
| 28                      | South #3 Sidewalk     | 10/31/19 |      | X      |      |                     |                  |              | 1              | 2   |      |

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

## ANALYSIS REQUEST

(Circle or Specify Method No.)

BTX 8021B BTX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M ( GRO - DRO - ORO - MRO)

PAH 8270C

Total Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Metals Ag As Ba Cd Cr Pb Se Hg

TCLP Volatiles

TCLP Semi Volatiles

RCI

GC/MS Vol. 8260B / 624

GC/MS Semi. Vol. 8270C/625

PCB's 8082 / 608

NORM

PLM (Asbestos)

Chloride

Chloride Sulfate TDS

General Water Chemistry (see attached list)

Anion/Cation Balance

Hold

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:



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

---

November 06, 2019

MIKE CARMONA

TETRA TECH

901 WEST WALL STREET , STE 100

MIDLAND, TX 79701

RE: NEPTUNE 10 ST CTB

Enclosed are the results of analyses for samples received by the laboratory on 11/05/19 13:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-19-12. 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  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 11/05/2019        | Sampling Date:      | 11/05/2019     |
| Reported:         | 11/06/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 16 ( 3' BEB ) (H903768-01)**

| BTEX 8021B     |        | mg/kg           |            | Analyzed By: CK |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.81 | 90.7       | 2.00          | 6.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.82 | 90.8       | 2.00          | 6.49 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.84 | 92.2       | 2.00          | 6.38 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.48 | 91.3       | 6.00          | 6.63 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 176    | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 206 | 103        | 200           | 1.90 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 193 | 96.4       | 200           | 7.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 91.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.8 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM HOLE # 17 ( 3' BEB ) (H903768-02)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: CK |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.81 | 90.7       | 2.00          | 6.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.82 | 90.8       | 2.00          | 6.49 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.84 | 92.2       | 2.00          | 6.38 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.48 | 91.3       | 6.00          | 6.63 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.1 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 206 | 103        | 200           | 1.90 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 193 | 96.4       | 200           | 7.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.9 % 41-142

Surrogate: 1-Chlorooctadecane 98.1 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 11/05/2019        | Sampling Date:      | 11/05/2019     |
| Reported:         | 11/06/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 18 ( 3' BEB ) (H903768-03)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: CK |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.81 | 90.7       | 2.00          | 6.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.82 | 90.8       | 2.00          | 6.49 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.84 | 92.2       | 2.00          | 6.38 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.48 | 91.3       | 6.00          | 6.63 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 3.77 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 206 | 103        | 200           | 1.90 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 193 | 96.4       | 200           | 7.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 90.0 % 37.6-147

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM HOLE # 19 ( 1' BEB ) (H903768-04)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: CK |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.81 | 90.7       | 2.00          | 6.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.82 | 90.8       | 2.00          | 6.49 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.84 | 92.2       | 2.00          | 6.38 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.48 | 91.3       | 6.00          | 6.63 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 48.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 3.77 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 115 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM HOLE # 20 ( 1' BEB ) (H903768-05)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: CK |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.81 | 90.7       | 2.00          | 6.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.82 | 90.8       | 2.00          | 6.49 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.84 | 92.2       | 2.00          | 6.38 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.48 | 91.3       | 6.00          | 6.63 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 64.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 110 % 41-142

Surrogate: 1-Chlorooctadecane 116 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 11/05/2019        | Sampling Date:      | 11/05/2019     |
| Reported:         | 11/06/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 21 ( 1' BEB ) (H903768-06)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: CK |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.81 | 90.7       | 2.00          | 6.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.82 | 90.8       | 2.00          | 6.49 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.84 | 92.2       | 2.00          | 6.38 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.48 | 91.3       | 6.00          | 6.63 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 96.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM HOLE # 22 ( 1' BEB ) (H903768-07)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: CK |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.81 | 90.7       | 2.00          | 6.60 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.82 | 90.8       | 2.00          | 6.49 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.84 | 92.2       | 2.00          | 6.38 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.48 | 91.3       | 6.00          | 6.63 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 16.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: BOTTOM HOLE # 23 ( 2' BEB ) (H903768-08)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |
| Total BTX      | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 106 % 37.6-147

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**Analytical Results For:**

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 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

|                   |                   |                     |                |
|-------------------|-------------------|---------------------|----------------|
| Received:         | 11/05/2019        | Sampling Date:      | 11/05/2019     |
| Reported:         | 11/06/2019        | Sampling Type:      | Soil           |
| Project Name:     | NEPTUNE 10 ST CTB | Sampling Condition: | Cool & Intact  |
| Project Number:   | 212C-MD-01816     | Sample Received By: | Tamara Oldaker |
| Project Location: | EOG - LEA CO NM   |                     |                |

**Sample ID: BOTTOM HOLE # 24 ( 2' BEB ) (H903768-09)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |
| Total BTX      | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 107 % 41-142

Surrogate: 1-Chlorooctadecane 111 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
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 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NORTH 5 SIDEWALL (H903768-10)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |  |
| Total BTEX     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 97.3 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 1300   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 108 % 41-142

Surrogate: 1-Chlorooctadecane 112 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NORTH 6 SIDEWALL (H903768-11)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 79.5 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 80.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NORTH 7 SIDEWALL (H903768-12)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 84.2 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 109 % 41-142

Surrogate: 1-Chlorooctadecane 113 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EAST 4 SIDEWALL (H903768-13)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |
| Total BTX      | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 496    | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 105 % 41-142

Surrogate: 1-Chlorooctadecane 109 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EAST 5 SIDEWALL (H903768-14)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |
| Total BTX      | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 99.3 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 32.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 108 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EAST 6 SIDEWALL (H903768-15)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 101 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.07 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 210 | 105        | 200           | 1.93 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 97.9 % 41-142

Surrogate: 1-Chlorooctadecane 102 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WEST 4 SIDEWALL (H903768-16)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 100 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 112    | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 206 | 103        | 200           | 1.90 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 193 | 96.4       | 200           | 7.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.5 % 41-142

Surrogate: 1-Chlorooctadecane 93.3 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WEST 5 SIDEWALL (H903768-17)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 86.4 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| Chloride             | 16.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 206 | 103        | 200           | 1.90 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 193 | 96.4       | 200           | 7.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 90.0 % 41-142

Surrogate: 1-Chlorooctadecane 94.5 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WEST 6 SIDEWALL (H903768-18)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |  |
| Total BTX      | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 74.0 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 206 | 103        | 200           | 1.90 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 193 | 96.4       | 200           | 7.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 93.0 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SOUTH 4 SIDEWALL (H903768-19)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |
| Total BTX      | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 82.0 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 48.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 206 | 103        | 200           | 1.90 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 193 | 96.4       | 200           | 7.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.7 % 41-142

Surrogate: 1-Chlorooctadecane 97.7 % 37.6-147

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SOUTH 5 SIDEWALL (H903768-20)**

| BTEx 8021B     |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |  |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|--|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |  |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |  |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |  |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |  |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |  |
| Total BTEx     | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |  |

Surrogate: 4-Bromofluorobenzene (PID) 85.7 % 73.3-129

| Chloride, SM4500Cl-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | 32.0   | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 206 | 103        | 200           | 1.90 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 193 | 96.4       | 200           | 7.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 94.7 % 41-142

Surrogate: 1-Chlorooctadecane 98.0 % 37.6-147

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**Analytical Results For:**

TETRA TECH  
 MIKE CARMONA  
 901 WEST WALL STREET , STE 100  
 MIDLAND TX, 79701  
 Fax To: (432) 682-3946

Received: 11/05/2019  
 Reported: 11/06/2019  
 Project Name: NEPTUNE 10 ST CTB  
 Project Number: 212C-MD-01816  
 Project Location: EOG - LEA CO NM

Sampling Date: 11/05/2019  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SOUTH 6 SIDEWALL (H903768-21)**

| BTX 8021B      |        | mg/kg           |            | Analyzed By: MS |      |            |               |      |           |
|----------------|--------|-----------------|------------|-----------------|------|------------|---------------|------|-----------|
| Analyte        | Result | Reporting Limit | Analyzed   | Method Blank    | BS   | % Recovery | True Value QC | RPD  | Qualifier |
| Benzene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.89 | 94.6       | 2.00          | 11.4 |           |
| Toluene*       | <0.050 | 0.050           | 11/06/2019 | ND              | 1.61 | 80.6       | 2.00          | 13.0 |           |
| Ethylbenzene*  | <0.050 | 0.050           | 11/06/2019 | ND              | 1.74 | 87.0       | 2.00          | 8.28 |           |
| Total Xylenes* | <0.150 | 0.150           | 11/06/2019 | ND              | 5.20 | 86.7       | 6.00          | 8.58 |           |
| Total BTX      | <0.300 | 0.300           | 11/06/2019 | ND              |      |            |               |      |           |

Surrogate: 4-Bromofluorobenzene (PID) 87.6 % 73.3-129

| Chloride, SM4500CI-B |        | mg/kg           |            | Analyzed By: AC |     |            |               |      |           |  |
|----------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|--|
| Analyte              | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |  |
| Chloride             | <16.0  | 16.0            | 11/06/2019 | ND              | 432 | 108        | 400           | 0.00 |           |  |

| TPH 8015M        |        | mg/kg           |            | Analyzed By: CK |     |            |               |      |           |
|------------------|--------|-----------------|------------|-----------------|-----|------------|---------------|------|-----------|
| Analyte          | Result | Reporting Limit | Analyzed   | Method Blank    | BS  | % Recovery | True Value QC | RPD  | Qualifier |
| GRO C6-C10*      | <10.0  | 10.0            | 11/06/2019 | ND              | 206 | 103        | 200           | 1.90 |           |
| DRO >C10-C28*    | <10.0  | 10.0            | 11/06/2019 | ND              | 193 | 96.4       | 200           | 7.90 |           |
| EXT DRO >C28-C36 | <10.0  | 10.0            | 11/06/2019 | ND              |     |            |               |      |           |

Surrogate: 1-Chlorooctane 93.7 % 41-142

Surrogate: 1-Chlorooctadecane 96.1 % 37.6-147

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### Notes and Definitions

|       |   |
|-------|---|
| QR-02 | The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data. |
| QM-07 | The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.  |
| ND    | Analyte NOT DETECTED at or above the reporting limit  |
| RPD   | Relative Percent Difference   |
| **    | Samples not received at proper temperature of 6°C or below.   |
| ***   | Insufficient time to reach temperature.   |
| -     | Chloride by SM4500Cl-B does not require samples be received at or below 6°C<br>Samples reported on an as received basis (wet) unless otherwise noted on report  |

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

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Celey D. Keene, Lab Director/Quality Manager



92 jo 52 ebaD

## Analysis Request of Chain of Custody Record

Page 2 of 3



Tetra Tech, Inc.

 901W Wall Street, Ste 100  
 Midland, Texas 79705  
 Tel (432) 682-4559  
 Fax (432) 682-3946

|  |  |                                    |  |
|--|--|------------------------------------|--|
| Client Name: EOG                                 |  | Site Manager: Mike Carmona         |  |
| Project Name: Neptune 10 St CTB                  |  | Project #: 212C-MD-01816           |  |
| Project Location: Lea Co, NM                     |  | Project #: 212C-MD-01816           |  |
| Invoice to: EOG - <del>Cardinal</del> TODD WELLS |  | Sampler Signature: Conner Moehring |  |
| Receiving Laboratory: Cardinal                   |  | Comments:                          |  |

| LAB #<br>(LAB USE ONLY) | SAMPLE IDENTIFICATION | SAMPLING |      | MATRIX | PRESERVATIVE METHOD |      |     |                  | # CONTAINERS | FILTERED (Y/N) | ANALYSIS REQUEST<br>(Circle or Specify Method No.) |
|-------------------------|-----------------------|----------|------|--------|---------------------|------|-----|------------------|--------------|----------------|--|
|                         |                       | DATE     | TIME |        | WATER               | SOIL | HCL | HNO <sub>3</sub> |              |                |  |
| 11                      | NORTH 6 SIDEWALL      | 11/5/19  |      | X      |                     |      | X   |                  |              | 1              | X  |
| 12                      | NORTH 7 SIDEWALL      |          |      |        |                     |      |     |                  |              | 2              | X  |
| 13                      | EAST 4 SIDEWALL       |          |      |        |                     |      |     |                  |              |                |  |
| 14                      | EAST 5 SIDEWALL       |          |      |        |                     |      |     |                  |              |                |  |
| 15                      | EAST 6 SIDEWALL       |          |      |        |                     |      |     |                  |              |                |  |
| 16                      | WEST 4 SIDEWALL       |          |      |        |                     |      |     |                  |              |                |  |
| 17                      | WEST 5 SIDEWALL       |          |      |        |                     |      |     |                  |              |                |  |
| 18                      | WEST 6 SIDEWALL       |          |      |        |                     |      |     |                  |              |                |  |
| 19                      | SOUTH 4 SIDEWALL      |          |      |        |                     |      |     |                  |              |                |  |
| 20                      | SOUTH 5 SIDEWALL      |          |      |        |                     |      |     |                  |              |                |  |

|                                     |               |            |                                     |               |            |
|-------------------------------------|---------------|------------|-------------------------------------|---------------|------------|
| Retinquired by: <i>Kevin McQuay</i> | Date: 11/5/19 | Time: 1435 | Received by: <i>Conner Moehring</i> | Date: 11-5-19 | Time: 1345 |
| Retinquired by:                     | Date:         | Time:      | Received by:                        | Date:         | Time:      |

|                 |       |       |              |       |       |
|-----------------|-------|-------|--------------|-------|-------|
| Retinquired by: | Date: | Time: | Received by: | Date: | Time: |
|-----------------|-------|-------|--------------|-------|-------|

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

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(Circle) HAND DELIVERED FEDEX UPS Tracking #:



Page 3 of 3

**Tetra Tech, Inc.**



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Released to Imaging: 9/22/2021 9:03:33 AM



# Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

| <i>Analysis Requested</i>                            | <i>Lab Id:</i>    | 629653-001       | 629653-002       | 629653-003      | 629653-004      | 629653-005      | 629653-006      |
|--|-------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
|  | <i>Field Id:</i>  | AH 1 (0-1')      | AH 1 (1-1.5')    | AH 1 (2-2.5')   | AH 1 (3-3.5')   | AH 1 (4-4.5')   | AH 1 (5-5.5')   |
|  | <i>Depth:</i>     | 0-1 ft           | 1-1.5 ft         | 2-2.5 ft        | 3-3.5 ft        | 4-4.5 ft        | 5-5.5 ft        |
|  | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL            | SOIL            | SOIL            | SOIL            |
|  | <i>Sampled:</i>   | Jun-27-19 00:00  | Jun-27-19 00:00  | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 |
| <b>BTEX by EPA 8021B<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-08-19 12:20  | Jul-08-19 12:20  |                 |                 |                 |                 |
|  | <i>Analyzed:</i>  | Jul-09-19 12:02  | Jul-09-19 12:25  |                 |                 |                 |                 |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         |                 |                 |                 |                 |
| Benzene  |                   | <0.00200 0.00200 | <0.00201 0.00201 |                 |                 |                 |                 |
| Toluene  |                   | <0.00200 0.00200 | <0.00201 0.00201 |                 |                 |                 |                 |
| Ethylbenzene   |                   | 0.00286 0.00200  | <0.00201 0.00201 |                 |                 |                 |                 |
| m,p-Xylenes  |                   | <0.00400 0.00400 | <0.00402 0.00402 |                 |                 |                 |                 |
| o-Xylene   |                   | <0.00200 0.00200 | <0.00201 0.00201 |                 |                 |                 |                 |
| Total Xylenes  |                   | <0.00200 0.00200 | <0.00201 0.00201 |                 |                 |                 |                 |
| Total BTEX   |                   | 0.00286 0.00200  | <0.00201 0.00201 |                 |                 |                 |                 |
| <b>Chloride by EPA 300<br/>SUB: T104704400-18-16</b> | <i>Extracted:</i> | Jul-02-19 16:20  | Jul-02-19 16:30  | Jul-02-19 16:30 | Jul-02-19 16:30 | Jul-02-19 16:30 | Jul-02-19 16:30 |
|  | <i>Analyzed:</i>  | Jul-03-19 03:26  | Jul-03-19 04:32  | Jul-03-19 08:17 | Jul-03-19 04:10 | Jul-03-19 04:46 | Jul-03-19 04:53 |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL        |
| Chloride   |                   | 18.5 5.04        | 4940 24.9        | 1470 4.99       | 57.2 5.00       | 84.0 4.95       | 25.4 4.98       |
| <b>TPH By SW8015 Mod<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-04-19 08:00  | Jul-04-19 08:00  |                 |                 |                 |                 |
|  | <i>Analyzed:</i>  | Jul-04-19 11:08  | Jul-04-19 12:20  |                 |                 |                 |                 |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         |                 |                 |                 |                 |
| Gasoline Range Hydrocarbons (GRO)                    |                   | <15.0 15.0       | <14.9 14.9       |                 |                 |                 |                 |
| Diesel Range Organics (DRO)                          |                   | <15.0 15.0       | <14.9 14.9       |                 |                 |                 |                 |
| Motor Oil Range Hydrocarbons (MRO)                   |                   | <15.0 15.0       | <14.9 14.9       |                 |                 |                 |                 |
| Total TPH  |                   | <15.0 15.0       | <14.9 14.9       |                 |                 |                 |                 |

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*Jessica Kramer*

Jessica Kramer  
Project Assistant



# Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

| <i>Analysis Requested</i>                            | <i>Lab Id:</i>    | 629653-007       | 629653-008       | 629653-009      | 629653-010      | 629653-011      | 629653-012       |
|--|-------------------|------------------|------------------|-----------------|-----------------|-----------------|------------------|
|  | <i>Field Id:</i>  | AH 2 (0-1')      | AH 2 (1-1.5')    | AH 2 (2-2.5')   | AH 2 (3-3.5')   | AH 2 (4-4.5')   | AH 3 (0-1')      |
|  | <i>Depth:</i>     | 0-1 ft           | 1-1.5 ft         | 2-2.5 ft        | 3-3.5 ft        | 4-4.5 ft        | 0-1 ft           |
|  | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL            | SOIL            | SOIL            | SOIL             |
|  | <i>Sampled:</i>   | Jun-27-19 00:00  | Jun-27-19 00:00  | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00  |
| <b>BTEX by EPA 8021B<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-08-19 12:20  | Jul-08-19 12:20  |                 |                 |                 | Jul-08-19 12:20  |
|  | <i>Analyzed:</i>  | Jul-09-19 12:48  | Jul-09-19 13:11  |                 |                 |                 | Jul-09-19 13:34  |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         |                 |                 |                 | mg/kg RL         |
| Benzene  |                   | <0.00201 0.00201 | <0.00198 0.00198 |                 |                 |                 | <0.00200 0.00200 |
| Toluene  |                   | <0.00201 0.00201 | <0.00198 0.00198 |                 |                 |                 | <0.00200 0.00200 |
| Ethylbenzene   |                   | <0.00201 0.00201 | <0.00198 0.00198 |                 |                 |                 | <0.00200 0.00200 |
| m,p-Xylenes  |                   | <0.00402 0.00402 | <0.00397 0.00397 |                 |                 |                 | <0.00401 0.00401 |
| o-Xylene   |                   | <0.00201 0.00201 | <0.00198 0.00198 |                 |                 |                 | <0.00200 0.00200 |
| Total Xylenes  |                   | <0.00201 0.00201 | <0.00198 0.00198 |                 |                 |                 | <0.00200 0.00200 |
| Total BTEX   |                   | <0.00201 0.00201 | <0.00198 0.00198 |                 |                 |                 | <0.00200 0.00200 |
| <b>Chloride by EPA 300<br/>SUB: T104704400-18-16</b> | <i>Extracted:</i> | Jul-02-19 16:30  | Jul-02-19 16:30  | Jul-02-19 16:30 | Jul-02-19 16:30 | Jul-02-19 16:30 | Jul-02-19 16:30  |
|  | <i>Analyzed:</i>  | Jul-03-19 05:15  | Jul-03-19 05:22  | Jul-03-19 05:30 | Jul-03-19 05:37 | Jul-03-19 05:51 | Jul-03-19 05:44  |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL         |
| Chloride   |                   | 909 5.02         | 354 4.95         | 218 5.04        | 301 5.00        | 126 25.1        | 974 5.01         |
| <b>TPH By SW8015 Mod<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-04-19 08:00  | Jul-04-19 08:00  |                 |                 |                 | Jul-04-19 08:00  |
|  | <i>Analyzed:</i>  | Jul-04-19 12:44  | Jul-04-19 13:08  |                 |                 |                 | Jul-04-19 13:32  |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         |                 |                 |                 | mg/kg RL         |
| Gasoline Range Hydrocarbons (GRO)                    |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 | <15.0 15.0       |
| Diesel Range Organics (DRO)                          |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 | <15.0 15.0       |
| Motor Oil Range Hydrocarbons (MRO)                   |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 | <15.0 15.0       |
| Total TPH  |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 | <15.0 15.0       |

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*Jessica Kramer*

Jessica Kramer  
Project Assistant



# Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

| <i>Analysis Requested</i>                            | <i>Lab Id:</i>    | 629653-013       | 629653-014      | 629653-015      | 629653-016      | 629653-017      | 629653-018       |
|--|-------------------|------------------|-----------------|-----------------|-----------------|-----------------|------------------|
|  | <i>Field Id:</i>  | AH 3 (1-1.5')    | AH 3 (2-2.5')   | AH3 (3-3.5')    | AH3 (4-4.5')    | AH3 (5-5.5')    | AH4 (0-1')       |
|  | <i>Depth:</i>     | 1-1.5 ft         | 2-2.5 ft        | 3-3.5 ft        | 4-4.5 ft        | 5-5.5 ft        | 0-1 ft           |
|  | <i>Matrix:</i>    | SOIL             | SOIL            | SOIL            | SOIL            | SOIL            | SOIL             |
|  | <i>Sampled:</i>   | Jun-27-19 00:00  | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00  |
| <b>BTEX by EPA 8021B<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-08-19 12:20  |                 |                 |                 |                 | Jul-08-19 12:20  |
|  | <i>Analyzed:</i>  | Jul-09-19 13:57  |                 |                 |                 |                 | Jul-09-19 14:20  |
|  | <i>Units/RL:</i>  | mg/kg RL         |                 |                 |                 |                 | mg/kg RL         |
| Benzene  |                   | <0.00199 0.00199 |                 |                 |                 |                 | <0.00199 0.00199 |
| Toluene  |                   | <0.00199 0.00199 |                 |                 |                 |                 | <0.00199 0.00199 |
| Ethylbenzene   |                   | <0.00199 0.00199 |                 |                 |                 |                 | <0.00199 0.00199 |
| m,p-Xylenes  |                   | <0.00398 0.00398 |                 |                 |                 |                 | <0.00398 0.00398 |
| o-Xylene   |                   | <0.00199 0.00199 |                 |                 |                 |                 | <0.00199 0.00199 |
| Total Xylenes  |                   | <0.00199 0.00199 |                 |                 |                 |                 | <0.00199 0.00199 |
| Total BTEX   |                   | <0.00199 0.00199 |                 |                 |                 |                 | <0.00199 0.00199 |
| <b>Chloride by EPA 300<br/>SUB: T104704400-18-16</b> | <i>Extracted:</i> | Jul-02-19 16:30  | Jul-02-19 16:30 | Jul-02-19 16:30 | Jul-02-19 16:30 | Jul-02-19 16:30 | Jul-02-19 16:30  |
|  | <i>Analyzed:</i>  | Jul-03-19 06:13  | Jul-03-19 06:20 | Jul-03-19 06:42 | Jul-03-19 06:49 | Jul-03-19 06:57 | Jul-03-19 07:04  |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL         |
| Chloride   |                   | 841 5.00         | 204 5.05        | 156 4.98        | 88.9 4.96       | 37.9 4.97       | 11.1 5.04        |
| <b>TPH By SW8015 Mod<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-04-19 08:00  |                 |                 |                 |                 | Jul-04-19 08:00  |
|  | <i>Analyzed:</i>  | Jul-04-19 13:57  |                 |                 |                 |                 | Jul-04-19 14:21  |
|  | <i>Units/RL:</i>  | mg/kg RL         |                 |                 |                 |                 | mg/kg RL         |
| Gasoline Range Hydrocarbons (GRO)                    |                   | <15.0 15.0       |                 |                 |                 |                 | <15.0 15.0       |
| Diesel Range Organics (DRO)                          |                   | <15.0 15.0       |                 |                 |                 |                 | <15.0 15.0       |
| Motor Oil Range Hydrocarbons (MRO)                   |                   | <15.0 15.0       |                 |                 |                 |                 | <15.0 15.0       |
| Total TPH  |                   | <15.0 15.0       |                 |                 |                 |                 | <15.0 15.0       |

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*Jessica Kramer*

Jessica Kramer  
Project Assistant





# Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

| <i>Analysis Requested</i>                            | <i>Lab Id:</i>    | 629653-019       | 629653-020      | 629653-021      | 629653-022      | 629653-023       | 629653-024       |
|--|-------------------|------------------|-----------------|-----------------|-----------------|------------------|------------------|
|  | <i>Field Id:</i>  | AH4 (1-1.5')     | AH4 (2-2.5')    | AH4 (3-3.5')    | AH4 (4-4.5')    | AH5 (0-1')       | AH5 (1-1.5')     |
|  | <i>Depth:</i>     | 1-1.5 ft         | 2-2.5 ft        | 3-3.5 ft        | 4-4.5 ft        | 0-1 ft           | 1-1.5 ft         |
|  | <i>Matrix:</i>    | SOIL             | SOIL            | SOIL            | SOIL            | SOIL             | SOIL             |
|  | <i>Sampled:</i>   | Jun-27-19 00:00  | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00  | Jun-27-19 00:00  |
| <b>BTEX by EPA 8021B<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-08-19 12:20  |                 |                 |                 | Jul-08-19 12:20  | Jul-08-19 12:20  |
|  | <i>Analyzed:</i>  | Jul-09-19 14:43  |                 |                 |                 | Jul-09-19 15:07  | Jul-09-19 16:53  |
|  | <i>Units/RL:</i>  | mg/kg RL         |                 |                 |                 | mg/kg RL         | mg/kg RL         |
| Benzene  |                   | <0.00200 0.00200 |                 |                 |                 | <0.00202 0.00202 | <0.00200 0.00200 |
| Toluene  |                   | <0.00200 0.00200 |                 |                 |                 | <0.00202 0.00202 | <0.00200 0.00200 |
| Ethylbenzene   |                   | <0.00200 0.00200 |                 |                 |                 | <0.00202 0.00202 | <0.00200 0.00200 |
| m,p-Xylenes  |                   | <0.00399 0.00399 |                 |                 |                 | <0.00403 0.00403 | <0.00399 0.00399 |
| o-Xylene   |                   | <0.00200 0.00200 |                 |                 |                 | <0.00202 0.00202 | <0.00200 0.00200 |
| Total Xylenes  |                   | <0.00200 0.00200 |                 |                 |                 | <0.00202 0.00202 | <0.00200 0.00200 |
| Total BTEX   |                   | <0.00200 0.00200 |                 |                 |                 | <0.00202 0.00202 | <0.00200 0.00200 |
| <b>Chloride by EPA 300<br/>SUB: T104704400-18-16</b> | <i>Extracted:</i> | Jul-02-19 16:30  | Jul-02-19 16:30 | Jul-02-19 16:30 | Jul-02-19 16:50 | Jul-02-19 16:50  | Jul-02-19 16:50  |
|  | <i>Analyzed:</i>  | Jul-03-19 07:11  | Jul-03-19 07:18 | Jul-03-19 07:26 | Jul-02-19 19:44 | Jul-02-19 19:59  | Jul-02-19 20:04  |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL         | mg/kg RL         |
| Chloride   |                   | 75.9 4.99        | 171 4.95        | 92.9 5.00       | 70.6 5.00       | 2080 24.8        | 1090 25.1        |
| <b>TPH By SW8015 Mod<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-04-19 08:00  |                 |                 |                 | Jul-04-19 08:00  | Jul-04-19 08:00  |
|  | <i>Analyzed:</i>  | Jul-04-19 14:45  |                 |                 |                 | Jul-04-19 15:09  | Jul-04-19 15:33  |
|  | <i>Units/RL:</i>  | mg/kg RL         |                 |                 |                 | mg/kg RL         | mg/kg RL         |
| Gasoline Range Hydrocarbons (GRO)                    |                   | <15.0 15.0       |                 |                 |                 | <15.0 15.0       | <15.0 15.0       |
| Diesel Range Organics (DRO)                          |                   | <15.0 15.0       |                 |                 |                 | <15.0 15.0       | <15.0 15.0       |
| Motor Oil Range Hydrocarbons (MRO)                   |                   | <15.0 15.0       |                 |                 |                 | <15.0 15.0       | <15.0 15.0       |
| Total TPH  |                   | <15.0 15.0       |                 |                 |                 | <15.0 15.0       | <15.0 15.0       |

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Jessica Kramer  
Project Assistant



# Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

| <i>Analysis Requested</i>                            | <i>Lab Id:</i>    | 629653-025      | 629653-026      | 629653-027      | 629653-028      | 629653-029      | 629653-030      |
|--|-------------------|-----------------|-----------------|-----------------|-----------------|-----------------|-----------------|
|  | <i>Field Id:</i>  | AH5 (2-2.5')    | AH5 (3-3.5')    | AH5 (4-4.5')    | AH5 (5-5.5')    | AH5 (6-6.5')    | AH5 (7-7.5')    |
|  | <i>Depth:</i>     | 2-2.5 ft        | 3-3.5 ft        | 4-4.5 ft        | 5-5.5 ft        | 6-6.5 ft        | 7-7.5 ft        |
|  | <i>Matrix:</i>    | SOIL            | SOIL            | SOIL            | SOIL            | SOIL            | SOIL            |
|  | <i>Sampled:</i>   | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 |
| <b>Chloride by EPA 300<br/>SUB: T104704400-18-16</b> | <i>Extracted:</i> | Jul-02-19 16:50 | Jul-02-19 16:50 | Jul-02-19 16:50 | Jul-02-19 16:50 | Jul-02-19 16:50 | Jul-02-19 16:50 |
|  | <i>Analyzed:</i>  | Jul-02-19 20:09 | Jul-02-19 20:13 | Jul-02-19 20:28 | Jul-02-19 20:33 | Jul-02-19 20:38 | Jul-02-19 20:42 |
|  | <i>Units/RL:</i>  | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL        |
| Chloride   |                   | 567 4.98        | 229 24.9        | 301 25.0        | 307 25.0        | 196 25.0        | 437 25.0        |

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Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

| <i>Analysis Requested</i>                            | <i>Lab Id:</i>    | 629653-031       | 629653-032       | 629653-033      | 629653-034      | 629653-035      | 629653-036      |
|--|-------------------|------------------|------------------|-----------------|-----------------|-----------------|-----------------|
|  | <i>Field Id:</i>  | AH6 (0-1')       | AH6 (1-1.5')     | AH6 (2-2.5')    | AH6 (3-3.5')    | AH6 (4-4.5')    | AH6 (5-5.5')    |
|  | <i>Depth:</i>     | 0-1 ft           | 1-1.5 ft         | 2-2.5 ft        | 3-3.5 ft        | 4-4.5 ft        | 5-5.5 ft        |
|  | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL            | SOIL            | SOIL            | SOIL            |
|  | <i>Sampled:</i>   | Jun-27-19 00:00  | Jun-27-19 00:00  | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 |
| <b>BTEX by EPA 8021B<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-08-19 12:20  | Jul-08-19 12:20  |                 |                 |                 |                 |
|  | <i>Analyzed:</i>  | Jul-09-19 17:16  | Jul-09-19 17:39  |                 |                 |                 |                 |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         |                 |                 |                 |                 |
| Benzene  |                   | <0.00200 0.00200 | <0.00200 0.00200 |                 |                 |                 |                 |
| Toluene  |                   | <0.00200 0.00200 | <0.00200 0.00200 |                 |                 |                 |                 |
| Ethylbenzene   |                   | <0.00200 0.00200 | <0.00200 0.00200 |                 |                 |                 |                 |
| m,p-Xylenes  |                   | <0.00400 0.00400 | <0.00399 0.00399 |                 |                 |                 |                 |
| o-Xylene   |                   | <0.00200 0.00200 | <0.00200 0.00200 |                 |                 |                 |                 |
| Total Xylenes  |                   | <0.00200 0.00200 | <0.00200 0.00200 |                 |                 |                 |                 |
| Total BTEX   |                   | <0.00200 0.00200 | <0.00200 0.00200 |                 |                 |                 |                 |
| <b>Chloride by EPA 300<br/>SUB: T104704400-18-16</b> | <i>Extracted:</i> | Jul-02-19 16:50  | Jul-02-19 16:50  | Jul-02-19 16:50 | Jul-02-19 16:50 | Jul-02-19 16:50 | Jul-02-19 16:50 |
|  | <i>Analyzed:</i>  | Jul-02-19 20:47  | Jul-02-19 20:52  | Jul-02-19 21:07 | Jul-02-19 21:11 | Jul-02-19 21:26 | Jul-03-19 08:20 |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL        |
| Chloride   |                   | 4380 24.8        | 585 5.02         | 99.8 4.99       | 127 5.05        | 28.3 4.97       | 33.1 4.95       |
| <b>TPH By SW8015 Mod<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-04-19 08:00  | Jul-04-19 08:00  |                 |                 |                 |                 |
|  | <i>Analyzed:</i>  | Jul-04-19 16:21  | Jul-04-19 16:45  |                 |                 |                 |                 |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         |                 |                 |                 |                 |
| Gasoline Range Hydrocarbons (GRO)                    |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 |                 |
| Diesel Range Organics (DRO)                          |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 |                 |
| Motor Oil Range Hydrocarbons (MRO)                   |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 |                 |
| Total TPH  |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 |                 |

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*Jessica Kramer*

Jessica Kramer  
Project Assistant



# Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

| <i>Analysis Requested</i>                            | <i>Lab Id:</i>    | 629653-037       | 629653-038       | 629653-039      | 629653-040      | 629653-041      | 629653-042       |
|--|-------------------|------------------|------------------|-----------------|-----------------|-----------------|------------------|
|  | <i>Field Id:</i>  | AH7 (0-1')       | AH7 (1-1.5')     | AH7 (2-2.5')    | AH7 (3-3.5')    | AH7 (4-4.5')    | AH8 (0-1')       |
|  | <i>Depth:</i>     | 0-1 ft           | 1-1.5 ft         | 2-2.5 ft        | 3-3.5 ft        | 4-4.5 ft        | 0-1 ft           |
|  | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL            | SOIL            | SOIL            | SOIL             |
|  | <i>Sampled:</i>   | Jun-27-19 00:00  | Jun-27-19 00:00  | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00  |
| <b>BTEX by EPA 8021B<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-08-19 12:20  | Jul-08-19 12:20  |                 |                 |                 | Jul-08-19 12:20  |
|  | <i>Analyzed:</i>  | Jul-09-19 18:03  | Jul-09-19 18:26  |                 |                 |                 | Jul-09-19 18:49  |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         |                 |                 |                 | mg/kg RL         |
| Benzene  |                   | <0.00199 0.00199 | <0.00201 0.00201 |                 |                 |                 | <0.00199 0.00199 |
| Toluene  |                   | <0.00199 0.00199 | <0.00201 0.00201 |                 |                 |                 | <0.00199 0.00199 |
| Ethylbenzene   |                   | <0.00199 0.00199 | <0.00201 0.00201 |                 |                 |                 | <0.00199 0.00199 |
| m,p-Xylenes  |                   | <0.00398 0.00398 | <0.00402 0.00402 |                 |                 |                 | <0.00398 0.00398 |
| o-Xylene   |                   | <0.00199 0.00199 | <0.00201 0.00201 |                 |                 |                 | <0.00199 0.00199 |
| Total Xylenes  |                   | <0.00199 0.00199 | <0.00201 0.00201 |                 |                 |                 | <0.00199 0.00199 |
| Total BTEX   |                   | <0.00199 0.00199 | <0.00201 0.00201 |                 |                 |                 | <0.00199 0.00199 |
| <b>Chloride by EPA 300<br/>SUB: T104704400-18-16</b> | <i>Extracted:</i> | Jul-02-19 16:50  | Jul-02-19 16:50  | Jul-02-19 16:50 | Jul-02-19 16:50 | Jul-02-19 16:50 | Jul-03-19 16:15  |
|  | <i>Analyzed:</i>  | Jul-02-19 21:36  | Jul-02-19 21:41  | Jul-02-19 21:45 | Jul-02-19 21:50 | Jul-02-19 21:55 | Jul-03-19 19:18  |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL        | mg/kg RL        | mg/kg RL        | mg/kg RL         |
| Chloride   |                   | 3850 25.2        | 513 4.95         | 14.7 5.01       | 11.0 4.99       | 93.4 4.97       | 2390 24.9        |
| <b>TPH By SW8015 Mod<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-04-19 08:00  | Jul-04-19 08:00  |                 |                 |                 | Jul-04-19 08:00  |
|  | <i>Analyzed:</i>  | Jul-04-19 17:09  | Jul-04-19 17:33  |                 |                 |                 | Jul-04-19 17:57  |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         |                 |                 |                 | mg/kg RL         |
| Gasoline Range Hydrocarbons (GRO)                    |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 | <14.9 14.9       |
| Diesel Range Organics (DRO)                          |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 | <14.9 14.9       |
| Motor Oil Range Hydrocarbons (MRO)                   |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 | <14.9 14.9       |
| Total TPH  |                   | <15.0 15.0       | <15.0 15.0       |                 |                 |                 | <14.9 14.9       |

This analytical report, and the entire data package it represents, has been made for your exclusive and confidential use. The interpretations and results expressed throughout this analytical report represent the best judgment of XENCO Laboratories. XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented. Our liability is limited to the amount invoiced for this work order unless otherwise agreed to in writing.

Houston - Dallas - Midland - Tampa - Phoenix - Lubbock - San Antonio - El Paso - Atlanta - New Mexico

Jessica Kramer  
Project Assistant



# Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

| <i>Analysis Requested</i>                            | <i>Lab Id:</i>    | 629653-043       | 629653-044       | 629653-045       | 629653-046      | 629653-047      | 629653-048      |
|--|-------------------|------------------|------------------|------------------|-----------------|-----------------|-----------------|
|  | <i>Field Id:</i>  | AH8 (1-1.5')     | AH9 (0-1')       | AH9 (1-1.5')     | AH9 (2-2.5')    | AH9 (3-3.5')    | AH9 (4-4.5')    |
|  | <i>Depth:</i>     | 1-1.5 ft         | 0-1 ft           | 1-1.5 ft         | 2-2.5 ft        | 3-3.5 ft        | 4-4.5 ft        |
|  | <i>Matrix:</i>    | SOIL             | SOIL             | SOIL             | SOIL            | SOIL            | SOIL            |
|  | <i>Sampled:</i>   | Jun-27-19 00:00  | Jun-27-19 00:00  | Jun-27-19 00:00  | Jun-27-19 00:00 | Jun-27-19 00:00 | Jun-27-19 00:00 |
| <b>BTEX by EPA 8021B<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-08-19 12:20  | Jul-08-19 12:20  | Jul-08-19 12:20  |                 |                 |                 |
|  | <i>Analyzed:</i>  | Jul-09-19 19:12  | Jul-09-19 19:35  | Jul-09-19 19:58  |                 |                 |                 |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         |                 |                 |                 |
| Benzene  |                   | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 |                 |                 |                 |
| Toluene  |                   | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 |                 |                 |                 |
| Ethylbenzene   |                   | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 |                 |                 |                 |
| m,p-Xylenes  |                   | <0.00401 0.00401 | <0.00399 0.00399 | <0.00398 0.00398 |                 |                 |                 |
| o-Xylene   |                   | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 |                 |                 |                 |
| Total Xylenes  |                   | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 |                 |                 |                 |
| Total BTEX   |                   | <0.00200 0.00200 | <0.00200 0.00200 | <0.00199 0.00199 |                 |                 |                 |
| <b>Chloride by EPA 300<br/>SUB: T104704400-18-16</b> | <i>Extracted:</i> | Jul-03-19 16:15  | Jul-03-19 16:15  | Jul-03-19 16:15  | Jul-03-19 16:15 | Jul-03-19 16:15 | Jul-03-19 16:15 |
|  | <i>Analyzed:</i>  | Jul-03-19 19:23  | Jul-03-19 19:27  | Jul-03-19 19:32  | Jul-03-19 19:52 | Jul-03-19 19:56 | Jul-03-19 18:29 |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         | mg/kg RL        | mg/kg RL        | mg/kg RL        |
| Chloride   |                   | 905 5.00         | 906 5.00         | 102 5.01         | 99.8 5.05       | 65.9 4.96       | 10.5 5.03       |
| <b>TPH By SW8015 Mod<br/>SUB: T104704400-18-16</b>   | <i>Extracted:</i> | Jul-04-19 08:00  | Jul-04-19 08:00  | Jul-04-19 08:00  |                 |                 |                 |
|  | <i>Analyzed:</i>  | Jul-04-19 18:21  | Jul-04-19 18:45  | Jul-04-19 19:09  |                 |                 |                 |
|  | <i>Units/RL:</i>  | mg/kg RL         | mg/kg RL         | mg/kg RL         |                 |                 |                 |
| Gasoline Range Hydrocarbons (GRO)                    |                   | <15.0 15.0       | <15.0 15.0       | <15.0 15.0       |                 |                 |                 |
| Diesel Range Organics (DRO)                          |                   | <15.0 15.0       | <15.0 15.0       | <15.0 15.0       |                 |                 |                 |
| Motor Oil Range Hydrocarbons (MRO)                   |                   | <15.0 15.0       | <15.0 15.0       | <15.0 15.0       |                 |                 |                 |
| Total TPH  |                   | <15.0 15.0       | <15.0 15.0       | <15.0 15.0       |                 |                 |                 |

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Jessica Kramer  
Project Assistant



# Certificate of Analysis Summary 629653

Tetra Tech- Midland, Midland, TX

Project Name: EOG - Neptune 10- State CTB

Project Id:

Contact: Clair Gonzales

Project Location: Lea County, NM

Date Received in Lab: Mon Jul-01-19 01:00 pm

Report Date: 11-JUL-19

Project Manager: Jessica Kramer

|  |                   |                 |  |  |  |  |  |
|--|-------------------|-----------------|--|--|--|--|--|
| <b>Analysis Requested</b>                            | <b>Lab Id:</b>    | 629653-049      |  |  |  |  |  |
|  | <b>Field Id:</b>  | AH9 (5-5.5')    |  |  |  |  |  |
|  | <b>Depth:</b>     | 5-5.5 ft        |  |  |  |  |  |
|  | <b>Matrix:</b>    | SOIL            |  |  |  |  |  |
|  | <b>Sampled:</b>   | Jun-27-19 00:00 |  |  |  |  |  |
| <b>Chloride by EPA 300<br/>SUB: T104704400-18-16</b> | <b>Extracted:</b> | Jul-03-19 16:15 |  |  |  |  |  |
|  | <b>Analyzed:</b>  | Jul-03-19 19:37 |  |  |  |  |  |
|  | <b>Units/RL:</b>  | mg/kg RL        |  |  |  |  |  |
| Chloride   |                   | 12.0 4.99       |  |  |  |  |  |

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XENCO Laboratories assumes no responsibility and makes no warranty to the end use of the data hereby presented.  
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Jessica Kramer  
Project Assistant

# Analytical Report 629653

for  
**Tetra Tech- Midland**

**Project Manager: Clair Gonzales**

**EOG - Neptune 10- State CTB**

**11-JUL-19**

Collected By: Client



**1089 N Canal Street  
Carlsbad, NM 88220**

Xenco-Houston (EPA Lab Code: TX00122):

Texas (T104704215-19-29), Arizona (AZ0765), Florida (E871002-24), Louisiana (03054)  
Oklahoma (2017-142)

Xenco-Dallas (EPA Lab Code: TX01468):

Texas (T104704295-19-19), Arizona (AZ0809), Arkansas (17-063-0)

Xenco-El Paso (EPA Lab Code: TX00127): Texas (T104704221-18-14)

Xenco-Lubbock (EPA Lab Code: TX00139): Texas (T104704219-19-20)

Xenco-Midland (EPA Lab Code: TX00158): Texas (T104704400-18-18)

Xenco-San Antonio (EPA Lab Code: TNI02385): Texas (T104704534-18-4)

Xenco Phoenix (EPA Lab Code: AZ00901): Arizona (AZ0757)

Xenco-Atlanta (LELAP Lab ID #04176)

Xenco-Tampa: Florida (E87429), North Carolina (483)





11-JUL-19

Project Manager: **Clair Gonzales**

**Tetra Tech- Midland**

901 West Wall ST

Midland, TX 79701

Reference: XENCO Report No(s): **629653**

**EOG - Neptune 10- State CTB**

Project Address: Lea County, NM

**Clair Gonzales:**

We are reporting to you the results of the analyses performed on the samples received under the project name referenced above and identified with the XENCO Report Number(s) 629653. All results being reported under this Report Number apply to the samples analyzed and properly identified with a Laboratory ID number. Subcontracted analyses are identified in this report with either the NELAC certification number of the subcontract lab in the analyst ID field, or the complete subcontracted report attached to this report.

Unless otherwise noted in a Case Narrative, all data reported in this Analytical Report are in compliance with NELAC standards. The uncertainty of measurement associated with the results of analysis reported is available upon request. Should insufficient sample be provided to the laboratory to meet the method and NELAC Matrix Duplicate and Matrix Spike requirements, then the data will be analyzed, evaluated and reported using all other available quality control measures.

The validity and integrity of this report will remain intact as long as it is accompanied by this letter and reproduced in full, unless written approval is granted by XENCO Laboratories. This report will be filed for at least 5 years in our archives after which time it will be destroyed without further notice, unless otherwise arranged with you. The samples received, and described as recorded in Report No. 629653 will be filed for 45 days, and after that time they will be properly disposed without further notice, unless otherwise arranged with you. We reserve the right to return to you any unused samples, extracts or solutions related to them if we consider so necessary (e.g., samples identified as hazardous waste, sample sizes exceeding analytical standard practices, controlled substances under regulated protocols, etc).

We thank you for selecting XENCO Laboratories to serve your analytical needs. If you have any questions concerning this report, please feel free to contact us at any time.

Respectfully,

A handwritten signature in black ink that reads 'Jessica Kramer'.

**Jessica Kramer**

Project Assistant

***Recipient of the Prestigious Small Business Administration Award of Excellence in 1994.***

*Certified and approved by numerous States and Agencies.*

*A Small Business and Minority Status Company that delivers SERVICE and QUALITY*

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## Sample Cross Reference 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

| Sample Id     | Matrix | Date Collected | Sample Depth | Lab Sample Id |
|---------------|--------|----------------|--------------|---------------|
| AH 1 (0-1')   | S      | 06-27-19 00:00 | 0 - 1 ft     | 629653-001    |
| AH 1 (1-1.5') | S      | 06-27-19 00:00 | 1 - 1.5 ft   | 629653-002    |
| AH 1 (2-2.5') | S      | 06-27-19 00:00 | 2 - 2.5 ft   | 629653-003    |
| AH 1 (3-3.5') | S      | 06-27-19 00:00 | 3 - 3.5 ft   | 629653-004    |
| AH 1 (4-4.5') | S      | 06-27-19 00:00 | 4 - 4.5 ft   | 629653-005    |
| AH 1 (5-5.5') | S      | 06-27-19 00:00 | 5 - 5.5 ft   | 629653-006    |
| AH 2 (0-1')   | S      | 06-27-19 00:00 | 0 - 1 ft     | 629653-007    |
| AH 2 (1-1.5') | S      | 06-27-19 00:00 | 1 - 1.5 ft   | 629653-008    |
| AH 2 (2-2.5') | S      | 06-27-19 00:00 | 2 - 2.5 ft   | 629653-009    |
| AH 2 (3-3.5') | S      | 06-27-19 00:00 | 3 - 3.5 ft   | 629653-010    |
| AH 2 (4-4.5') | S      | 06-27-19 00:00 | 4 - 4.5 ft   | 629653-011    |
| AH 3 (0-1')   | S      | 06-27-19 00:00 | 0 - 1 ft     | 629653-012    |
| AH 3 (1-1.5') | S      | 06-27-19 00:00 | 1 - 1.5 ft   | 629653-013    |
| AH 3 (2-2.5') | S      | 06-27-19 00:00 | 2 - 2.5 ft   | 629653-014    |
| AH3 (3-3.5')  | S      | 06-27-19 00:00 | 3 - 3.5 ft   | 629653-015    |
| AH3 (4-4.5')  | S      | 06-27-19 00:00 | 4 - 4.5 ft   | 629653-016    |
| AH3 (5-5.5')  | S      | 06-27-19 00:00 | 5 - 5.5 ft   | 629653-017    |
| AH4 (0-1')    | S      | 06-27-19 00:00 | 0 - 1 ft     | 629653-018    |
| AH4 (1-1.5')  | S      | 06-27-19 00:00 | 1 - 1.5 ft   | 629653-019    |
| AH4 (2-2.5')  | S      | 06-27-19 00:00 | 2 - 2.5 ft   | 629653-020    |
| AH4 (3-3.5')  | S      | 06-27-19 00:00 | 3 - 3.5 ft   | 629653-021    |
| AH4 (4-4.5')  | S      | 06-27-19 00:00 | 4 - 4.5 ft   | 629653-022    |
| AH5 (0-1')    | S      | 06-27-19 00:00 | 0 - 1 ft     | 629653-023    |
| AH5 (1-1.5')  | S      | 06-27-19 00:00 | 1 - 1.5 ft   | 629653-024    |
| AH5 (2-2.5')  | S      | 06-27-19 00:00 | 2 - 2.5 ft   | 629653-025    |
| AH5 (3-3.5')  | S      | 06-27-19 00:00 | 3 - 3.5 ft   | 629653-026    |
| AH5 (4-4.5')  | S      | 06-27-19 00:00 | 4 - 4.5 ft   | 629653-027    |
| AH5 (5-5.5')  | S      | 06-27-19 00:00 | 5 - 5.5 ft   | 629653-028    |
| AH5 (6-6.5')  | S      | 06-27-19 00:00 | 6 - 6.5 ft   | 629653-029    |
| AH5 (7-7.5')  | S      | 06-27-19 00:00 | 7 - 7.5 ft   | 629653-030    |
| AH6 (0-1')    | S      | 06-27-19 00:00 | 0 - 1 ft     | 629653-031    |
| AH6 (1-1.5')  | S      | 06-27-19 00:00 | 1 - 1.5 ft   | 629653-032    |
| AH6 (2-2.5')  | S      | 06-27-19 00:00 | 2 - 2.5 ft   | 629653-033    |
| AH6 (3-3.5')  | S      | 06-27-19 00:00 | 3 - 3.5 ft   | 629653-034    |
| AH6 (4-4.5')  | S      | 06-27-19 00:00 | 4 - 4.5 ft   | 629653-035    |
| AH6 (5-5.5')  | S      | 06-27-19 00:00 | 5 - 5.5 ft   | 629653-036    |
| AH7 (0-1')    | S      | 06-27-19 00:00 | 0 - 1 ft     | 629653-037    |
| AH7 (1-1.5')  | S      | 06-27-19 00:00 | 1 - 1.5 ft   | 629653-038    |
| AH7 (2-2.5')  | S      | 06-27-19 00:00 | 2 - 2.5 ft   | 629653-039    |
| AH7 (3-3.5')  | S      | 06-27-19 00:00 | 3 - 3.5 ft   | 629653-040    |
| AH7 (4-4.5')  | S      | 06-27-19 00:00 | 4 - 4.5 ft   | 629653-041    |
| AH8 (0-1')    | S      | 06-27-19 00:00 | 0 - 1 ft     | 629653-042    |
| AH8 (1-1.5')  | S      | 06-27-19 00:00 | 1 - 1.5 ft   | 629653-043    |

**Sample Cross Reference 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

|              |   |                |            |            |
|--------------|---|----------------|------------|------------|
| AH9 (0-1')   | S | 06-27-19 00:00 | 0 - 1 ft   | 629653-044 |
| AH9 (1-1.5') | S | 06-27-19 00:00 | 1 - 1.5 ft | 629653-045 |
| AH9 (2-2.5') | S | 06-27-19 00:00 | 2 - 2.5 ft | 629653-046 |
| AH9 (3-3.5') | S | 06-27-19 00:00 | 3 - 3.5 ft | 629653-047 |
| AH9 (4-4.5') | S | 06-27-19 00:00 | 4 - 4.5 ft | 629653-048 |
| AH9 (5-5.5') | S | 06-27-19 00:00 | 5 - 5.5 ft | 629653-049 |

**CASE NARRATIVE****Client Name: Tetra Tech- Midland****Project Name: EOG - Neptune 10- State CTB**

Project ID:

Work Order Number(s): 629653

Report Date: 11-JUL-19

Date Received: 07/01/2019

**Sample receipt non conformances and comments:**

None

**Sample receipt non conformances and comments per sample:**

None

**Analytical non conformances and comments:**

Batch: LBA-3094272 Chloride by EPA 300

Lab Sample ID 629653-032 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 629653-022, -023, -024, -025, -026, -027, -028, -029, -030, -031, -032, -033, -034, -035, -036, -037, -038, -039, -040, -041.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3094286 Chloride by EPA 300

Lab Sample ID 629653-011 was randomly selected for Matrix Spike/Matrix Spike Duplicate (MS/MSD). Chloride recovered below QC limits in the Matrix Spike and Matrix Spike Duplicate. Outlier/s are due to possible matrix interference. Samples in the analytical batch are: 629653-002, -003, -004, -005, -006, -007, -008, -009, -010, -011, -012, -013, -014, -015, -016, -017, -018, -019, -020, -021.

The Laboratory Control Sample for Chloride is within laboratory Control Limits, therefore the data was accepted.

Batch: LBA-3094460 TPH By SW8015 Mod

Surrogate o-Terphenyl recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 629653-001 SD, 629653-018.

Surrogate 1-Chlorooctane recovered above QC limits. Matrix interferences is suspected.

Samples affected are: 629653-043.

Batch: LBA-3094951 BTEX by EPA 8021B

Soil samples were not received in Terracore kits and therefore were prepared by method 5030.

Surrogate 4-Bromofluorobenzene recovered above QC limits. Matrix interferences is suspected; data confirmed by re-analysis.

Samples affected are: 629653-042.



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 1 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-001

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.20

Basis: Wet Weight

Seq Number: 3094285

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 18.5   | 5.04 | mg/kg | 07.03.19 03.26 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <15.0             | 15.0         | mg/kg         | 07.04.19 11.08       | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <15.0             | 15.0         | mg/kg         | 07.04.19 11.08       | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <15.0             | 15.0         | mg/kg         | 07.04.19 11.08       | U           | 1   |
| Total TPH                          | PHC635            | <15.0             | 15.0         | mg/kg         | 07.04.19 11.08       | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 122               | %            | 70-135        | 07.04.19 11.08       |             |     |
| o-Terphenyl                        | 84-15-1           | 128               | %            | 70-135        | 07.04.19 11.08       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 1 (0-1')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-001

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 12.02       | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 12.02       | U           | 1   |
| <b>Ethylbenzene</b>  | 100-41-4          | <b>0.00286</b>    | 0.00200      | mg/kg         | 07.09.19 12.02       |             | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00400          | 0.00400      | mg/kg         | 07.09.19 12.02       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 12.02       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 07.09.19 12.02       | U           | 1   |
| <b>Total BTEX</b>    |                   | <b>0.00286</b>    | 0.00200      | mg/kg         | 07.09.19 12.02       |             | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 111               | %            | 70-130        | 07.09.19 12.02       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 94                | %            | 70-130        | 07.09.19 12.02       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 1 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-002

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|-------------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | <b>4940</b> | 24.9 | mg/kg | 07.03.19 04.32 |      | 5   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <14.9  | 14.9 | mg/kg | 07.04.19 12.20 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <14.9  | 14.9 | mg/kg | 07.04.19 12.20 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <14.9  | 14.9 | mg/kg | 07.04.19 12.20 | U    | 1   |
| Total TPH                          | PHC635     | <14.9  | 14.9 | mg/kg | 07.04.19 12.20 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 119        | %     | 70-135 | 07.04.19 12.20 |      |
| o-Terphenyl    | 84-15-1    | 120        | %     | 70-135 | 07.04.19 12.20 |      |





# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 1 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-002

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.25       | U           | 1   |
| Toluene              | 108-88-3          | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.25       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.25       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00402          | 0.00402      | mg/kg         | 07.09.19 12.25       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.25       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.25       | U           | 1   |
| Total BTEX           |                   | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.25       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 109               | %            | 70-130        | 07.09.19 12.25       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 93                | %            | 70-130        | 07.09.19 12.25       |             |     |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH 1 (2-2.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-003

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|-------------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | <b>1470</b> | 4.99 | mg/kg | 07.03.19 08.17 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH 1 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-004

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 57.2   | 5.00 | mg/kg | 07.03.19 04.10 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH 1 (4-4.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-005

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 84.0   | 4.95 | mg/kg | 07.03.19 04.46 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH 1 (5-5.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-006

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 25.4   | 4.98 | mg/kg | 07.03.19 04.53 |      | 1   |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 2 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-007

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 909    | 5.02 | mg/kg | 07.03.19 05.15 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 12.44 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 12.44 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 12.44 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 12.44 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 122        | %     | 70-135 | 07.04.19 12.44 |      |
| o-Terphenyl    | 84-15-1    | 117        | %     | 70-135 | 07.04.19 12.44 |      |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 2 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-007

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.48       | U           | 1   |
| Toluene              | 108-88-3          | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.48       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.48       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00402          | 0.00402      | mg/kg         | 07.09.19 12.48       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.48       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.48       | U           | 1   |
| Total BTEX           |                   | <0.00201          | 0.00201      | mg/kg         | 07.09.19 12.48       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 109               | %            | 70-130        | 07.09.19 12.48       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 90                | %            | 70-130        | 07.09.19 12.48       |             |     |





# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 2 (1-1.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-008

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 354    | 4.95 | mg/kg | 07.03.19 05.22 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 13.08 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 13.08 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 13.08 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 13.08 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 128        | %     | 70-135 | 07.04.19 13.08 |      |
| o-Terphenyl    | 84-15-1    | 122        | %     | 70-135 | 07.04.19 13.08 |      |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 2 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-008

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00198          | 0.00198      | mg/kg         | 07.09.19 13.11       | U           | 1   |
| Toluene              | 108-88-3          | <0.00198          | 0.00198      | mg/kg         | 07.09.19 13.11       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00198          | 0.00198      | mg/kg         | 07.09.19 13.11       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00397          | 0.00397      | mg/kg         | 07.09.19 13.11       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00198          | 0.00198      | mg/kg         | 07.09.19 13.11       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00198          | 0.00198      | mg/kg         | 07.09.19 13.11       | U           | 1   |
| Total BTEX           |                   | <0.00198          | 0.00198      | mg/kg         | 07.09.19 13.11       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 108               | %            | 70-130        | 07.09.19 13.11       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 92                | %            | 70-130        | 07.09.19 13.11       |             |     |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH 2 (2-2.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-009

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 218    | 5.04 | mg/kg | 07.03.19 05.30 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH 2 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-010

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 301    | 5.00 | mg/kg | 07.03.19 05.37 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH 2 (4-4.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-011

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 126    | 25.1 | mg/kg | 07.03.19 05.51 |      | 5   |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH 3 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-012

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 974    | 5.01 | mg/kg | 07.03.19 05.44 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 13.32 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 13.32 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 13.32 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 13.32 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 111        | %     | 70-135 | 07.04.19 13.32 |      |
| o-Terphenyl    | 84-15-1    | 109        | %     | 70-135 | 07.04.19 13.32 |      |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 3 (0-1')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-012

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 13.34       | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 13.34       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 13.34       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00401          | 0.00401      | mg/kg         | 07.09.19 13.34       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 13.34       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 07.09.19 13.34       | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 07.09.19 13.34       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 112               | %            | 70-130        | 07.09.19 13.34       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 92                | %            | 70-130        | 07.09.19 13.34       |             |     |





# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 3 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-013

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 841    | 5.00 | mg/kg | 07.03.19 06.13 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <15.0             | 15.0         | mg/kg         | 07.04.19 13.57       | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <15.0             | 15.0         | mg/kg         | 07.04.19 13.57       | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <15.0             | 15.0         | mg/kg         | 07.04.19 13.57       | U           | 1   |
| Total TPH                          | PHC635            | <15.0             | 15.0         | mg/kg         | 07.04.19 13.57       | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 119               | %            | 70-135        | 07.04.19 13.57       |             |     |
| o-Terphenyl                        | 84-15-1           | 112               | %            | 70-135        | 07.04.19 13.57       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH 3 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-013

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 13.57       | U           | 1   |
| Toluene              | 108-88-3          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 13.57       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 13.57       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00398          | 0.00398      | mg/kg         | 07.09.19 13.57       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 13.57       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00199          | 0.00199      | mg/kg         | 07.09.19 13.57       | U           | 1   |
| Total BTEX           |                   | <0.00199          | 0.00199      | mg/kg         | 07.09.19 13.57       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 91                | %            | 70-130        | 07.09.19 13.57       |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 110               | %            | 70-130        | 07.09.19 13.57       |             |     |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH 3 (2-2.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-014

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 204    | 5.05 | mg/kg | 07.03.19 06.20 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH3 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-015

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 156    | 4.98 | mg/kg | 07.03.19 06.42 |      | 1   |



## Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH3 (4-4.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-016

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 88.9   | 4.96 | mg/kg | 07.03.19 06.49 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH3 (5-5.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-017

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 37.9   | 4.97 | mg/kg | 07.03.19 06.57 |      | 1   |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-018

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 11.1   | 5.04 | mg/kg | 07.03.19 07.04 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 14.21 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 14.21 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 14.21 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 14.21 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 119        | %     | 70-135 | 07.04.19 14.21 |      |
| o-Terphenyl    | 84-15-1    | 136        | %     | 70-135 | 07.04.19 14.21 | **   |





# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-018

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 14.20       | U           | 1   |
| Toluene              | 108-88-3          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 14.20       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 14.20       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00398          | 0.00398      | mg/kg         | 07.09.19 14.20       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 14.20       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00199          | 0.00199      | mg/kg         | 07.09.19 14.20       | U           | 1   |
| Total BTEX           |                   | <0.00199          | 0.00199      | mg/kg         | 07.09.19 14.20       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 108               | %            | 70-130        | 07.09.19 14.20       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 93                | %            | 70-130        | 07.09.19 14.20       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (1-1.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-019

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 75.9   | 4.99 | mg/kg | 07.03.19 07.11 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <15.0             | 15.0         | mg/kg         | 07.04.19 14.45       | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <15.0             | 15.0         | mg/kg         | 07.04.19 14.45       | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <15.0             | 15.0         | mg/kg         | 07.04.19 14.45       | U           | 1   |
| Total TPH                          | PHC635            | <15.0             | 15.0         | mg/kg         | 07.04.19 14.45       | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 119               | %            | 70-135        | 07.04.19 14.45       |             |     |
| o-Terphenyl                        | 84-15-1           | 114               | %            | 70-135        | 07.04.19 14.45       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH4 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-019

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 14.43       | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 14.43       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 14.43       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00399          | 0.00399      | mg/kg         | 07.09.19 14.43       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 14.43       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 07.09.19 14.43       | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 07.09.19 14.43       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 91                | %            | 70-130        | 07.09.19 14.43       |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 112               | %            | 70-130        | 07.09.19 14.43       |             |     |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH4 (2-2.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-020

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 171    | 4.95 | mg/kg | 07.03.19 07.18 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH4 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-021

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.30

Basis: Wet Weight

Seq Number: 3094286

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 92.9   | 5.00 | mg/kg | 07.03.19 07.26 |      | 1   |



## Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH4 (4-4.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-022

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 70.6   | 5.00 | mg/kg | 07.02.19 19.44 |      | 1   |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH5 (0-1')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-023

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 2080   | 24.8 | mg/kg | 07.02.19 19.59 |      | 5   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 15.09 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 15.09 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 15.09 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 15.09 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 108        | %     | 70-135 | 07.04.19 15.09 |      |
| o-Terphenyl    | 84-15-1    | 100        | %     | 70-135 | 07.04.19 15.09 |      |





# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH5 (0-1')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-023

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00202          | 0.00202      | mg/kg         | 07.09.19 15.07       | U           | 1   |
| Toluene              | 108-88-3          | <0.00202          | 0.00202      | mg/kg         | 07.09.19 15.07       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00202          | 0.00202      | mg/kg         | 07.09.19 15.07       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00403          | 0.00403      | mg/kg         | 07.09.19 15.07       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00202          | 0.00202      | mg/kg         | 07.09.19 15.07       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00202          | 0.00202      | mg/kg         | 07.09.19 15.07       | U           | 1   |
| Total BTEX           |                   | <0.00202          | 0.00202      | mg/kg         | 07.09.19 15.07       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 112               | %            | 70-130        | 07.09.19 15.07       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 94                | %            | 70-130        | 07.09.19 15.07       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH5 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-024

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|-------------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | <b>1090</b> | 25.1 | mg/kg | 07.02.19 20.04 |      | 5   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 15.33 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 15.33 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 15.33 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 15.33 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 118        | %     | 70-135 | 07.04.19 15.33 |      |
| o-Terphenyl    | 84-15-1    | 124        | %     | 70-135 | 07.04.19 15.33 |      |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH5 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-024

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 16.53       | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 16.53       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 16.53       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00399          | 0.00399      | mg/kg         | 07.09.19 16.53       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 16.53       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 07.09.19 16.53       | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 07.09.19 16.53       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 113               | %            | 70-130        | 07.09.19 16.53       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 92                | %            | 70-130        | 07.09.19 16.53       |             |     |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH5 (2-2.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-025

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 567    | 4.98 | mg/kg | 07.02.19 20.09 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH5 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-026

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 229    | 24.9 | mg/kg | 07.02.19 20.13 |      | 5   |



## Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (4-4.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-027

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 301    | 25.0 | mg/kg | 07.02.19 20.28 |      | 5   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH5 (5-5.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-028

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 307    | 25.0 | mg/kg | 07.02.19 20.33 |      | 5   |





## Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH5 (6-6.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-029

Date Collected: 06.27.19 00.00

Sample Depth: 6 - 6.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 196    | 25.0 | mg/kg | 07.02.19 20.38 |      | 5   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH5 (7-7.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-030

Date Collected: 06.27.19 00.00

Sample Depth: 7 - 7.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 437    | 25.0 | mg/kg | 07.02.19 20.42 |      | 5   |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH6 (0-1')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-031

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 4380   | 24.8 | mg/kg | 07.02.19 20.47 |      | 5   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <15.0             | 15.0         | mg/kg         | 07.04.19 16.21       | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <15.0             | 15.0         | mg/kg         | 07.04.19 16.21       | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <15.0             | 15.0         | mg/kg         | 07.04.19 16.21       | U           | 1   |
| Total TPH                          | PHC635            | <15.0             | 15.0         | mg/kg         | 07.04.19 16.21       | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 132               | %            | 70-135        | 07.04.19 16.21       |             |     |
| o-Terphenyl                        | 84-15-1           | 119               | %            | 70-135        | 07.04.19 16.21       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH6 (0-1')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-031

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.16       | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.16       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.16       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00400          | 0.00400      | mg/kg         | 07.09.19 17.16       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.16       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.16       | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.16       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 108               | %            | 70-130        | 07.09.19 17.16       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 94                | %            | 70-130        | 07.09.19 17.16       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH6 (1-1.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-032

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 585    | 5.02 | mg/kg | 07.02.19 20.52 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 16.45 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 16.45 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 16.45 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 16.45 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 131        | %     | 70-135 | 07.04.19 16.45 |      |
| o-Terphenyl    | 84-15-1    | 128        | %     | 70-135 | 07.04.19 16.45 |      |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH6 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-032

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.39       | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.39       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.39       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00399          | 0.00399      | mg/kg         | 07.09.19 17.39       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.39       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.39       | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 07.09.19 17.39       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 114               | %            | 70-130        | 07.09.19 17.39       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 90                | %            | 70-130        | 07.09.19 17.39       |             |     |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH6 (2-2.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-033

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|-------------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | <b>99.8</b> | 4.99 | mg/kg | 07.02.19 21.07 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH6 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-034

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 127    | 5.05 | mg/kg | 07.02.19 21.11 |      | 1   |



**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH6 (4-4.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-035

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 28.3   | 4.97 | mg/kg | 07.02.19 21.26 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH6 (5-5.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-036

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 33.1   | 4.95 | mg/kg | 07.03.19 08.20 |      | 1   |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-037

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 3850   | 25.2 | mg/kg | 07.02.19 21.36 |      | 5   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <15.0             | 15.0         | mg/kg         | 07.04.19 17.09       | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <15.0             | 15.0         | mg/kg         | 07.04.19 17.09       | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <15.0             | 15.0         | mg/kg         | 07.04.19 17.09       | U           | 1   |
| Total TPH                          | PHC635            | <15.0             | 15.0         | mg/kg         | 07.04.19 17.09       | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 114               | %            | 70-135        | 07.04.19 17.09       |             |     |
| o-Terphenyl                        | 84-15-1           | 102               | %            | 70-135        | 07.04.19 17.09       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-037

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.03       | U           | 1   |
| Toluene              | 108-88-3          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.03       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.03       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00398          | 0.00398      | mg/kg         | 07.09.19 18.03       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.03       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.03       | U           | 1   |
| Total BTEX           |                   | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.03       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 93                | %            | 70-130        | 07.09.19 18.03       |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 108               | %            | 70-130        | 07.09.19 18.03       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH7 (1-1.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-038

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 513    | 4.95 | mg/kg | 07.02.19 21.41 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 17.33 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 17.33 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 17.33 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 17.33 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 120        | %     | 70-135 | 07.04.19 17.33 |      |
| o-Terphenyl    | 84-15-1    | 112        | %     | 70-135 | 07.04.19 17.33 |      |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH7 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-038

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00201          | 0.00201      | mg/kg         | 07.09.19 18.26       | U           | 1   |
| Toluene              | 108-88-3          | <0.00201          | 0.00201      | mg/kg         | 07.09.19 18.26       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00201          | 0.00201      | mg/kg         | 07.09.19 18.26       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00402          | 0.00402      | mg/kg         | 07.09.19 18.26       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00201          | 0.00201      | mg/kg         | 07.09.19 18.26       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00201          | 0.00201      | mg/kg         | 07.09.19 18.26       | U           | 1   |
| Total BTEX           |                   | <0.00201          | 0.00201      | mg/kg         | 07.09.19 18.26       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 91                | %            | 70-130        | 07.09.19 18.26       |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 108               | %            | 70-130        | 07.09.19 18.26       |             |     |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH7 (2-2.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-039

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 14.7   | 5.01 | mg/kg | 07.02.19 21.45 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH7 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-040

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 11.0   | 4.99 | mg/kg | 07.02.19 21.50 |      | 1   |



**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH7 (4-4.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-041

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.02.19 16.50

Basis: Wet Weight

Seq Number: 3094272

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 93.4   | 4.97 | mg/kg | 07.02.19 21.55 |      | 1   |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH8 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-042

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 2390   | 24.9 | mg/kg | 07.03.19 19.18 |      | 5   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <14.9  | 14.9 | mg/kg | 07.04.19 17.57 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <14.9  | 14.9 | mg/kg | 07.04.19 17.57 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <14.9  | 14.9 | mg/kg | 07.04.19 17.57 | U    | 1   |
| Total TPH                          | PHC635     | <14.9  | 14.9 | mg/kg | 07.04.19 17.57 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 132        | %     | 70-135 | 07.04.19 17.57 |      |
| o-Terphenyl    | 84-15-1    | 120        | %     | 70-135 | 07.04.19 17.57 |      |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH8 (0-1')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-042

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.49       | U           | 1   |
| Toluene              | 108-88-3          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.49       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.49       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00398          | 0.00398      | mg/kg         | 07.09.19 18.49       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.49       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.49       | U           | 1   |
| Total BTEX           |                   | <0.00199          | 0.00199      | mg/kg         | 07.09.19 18.49       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 164               | %            | 70-130        | 07.09.19 18.49       | **          |     |
| 1,4-Difluorobenzene  | 540-36-3          | 87                | %            | 70-130        | 07.09.19 18.49       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH8 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-043

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 905    | 5.00 | mg/kg | 07.03.19 19.23 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|------------------------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610            | <15.0             | 15.0         | mg/kg         | 07.04.19 18.21       | U           | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO         | <15.0             | 15.0         | mg/kg         | 07.04.19 18.21       | U           | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835          | <15.0             | 15.0         | mg/kg         | 07.04.19 18.21       | U           | 1   |
| Total TPH                          | PHC635            | <15.0             | 15.0         | mg/kg         | 07.04.19 18.21       | U           | 1   |
| <b>Surrogate</b>                   | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1-Chlorooctane                     | 111-85-3          | 142               | %            | 70-135        | 07.04.19 18.21       | **          |     |
| o-Terphenyl                        | 84-15-1           | 135               | %            | 70-135        | 07.04.19 18.21       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH8 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-043

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.12       | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.12       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.12       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00401          | 0.00401      | mg/kg         | 07.09.19 19.12       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.12       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.12       | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.12       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 4-Bromofluorobenzene | 460-00-4          | 108               | %            | 70-130        | 07.09.19 19.12       |             |     |
| 1,4-Difluorobenzene  | 540-36-3          | 94                | %            | 70-130        | 07.09.19 19.12       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH9 (0-1')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-044

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 906    | 5.00 | mg/kg | 07.03.19 19.27 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 18.45 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 18.45 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 18.45 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 18.45 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 116        | %     | 70-135 | 07.04.19 18.45 |      |
| o-Terphenyl    | 84-15-1    | 109        | %     | 70-135 | 07.04.19 18.45 |      |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH9 (0-1')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-044

Date Collected: 06.27.19 00.00

Sample Depth: 0 - 1 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.35       | U           | 1   |
| Toluene              | 108-88-3          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.35       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.35       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00399          | 0.00399      | mg/kg         | 07.09.19 19.35       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.35       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.35       | U           | 1   |
| Total BTEX           |                   | <0.00200          | 0.00200      | mg/kg         | 07.09.19 19.35       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 91                | %            | 70-130        | 07.09.19 19.35       |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 111               | %            | 70-130        | 07.09.19 19.35       |             |     |



# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: AH9 (1-1.5')

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-045

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 102    | 5.01 | mg/kg | 07.03.19 19.32 |      | 1   |

Analytical Method: TPH By SW8015 Mod

Prep Method: TX1005P

Tech: DVM

% Moisture:

Analyst: ARM

Date Prep: 07.04.19 08.00

Basis: Wet Weight

Seq Number: 3094460

SUB: T104704400-18-16

| Parameter                          | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|------------------------------------|------------|--------|------|-------|----------------|------|-----|
| Gasoline Range Hydrocarbons (GRO)  | PHC610     | <15.0  | 15.0 | mg/kg | 07.04.19 19.09 | U    | 1   |
| Diesel Range Organics (DRO)        | C10C28DRO  | <15.0  | 15.0 | mg/kg | 07.04.19 19.09 | U    | 1   |
| Motor Oil Range Hydrocarbons (MRO) | PHCG2835   | <15.0  | 15.0 | mg/kg | 07.04.19 19.09 | U    | 1   |
| Total TPH                          | PHC635     | <15.0  | 15.0 | mg/kg | 07.04.19 19.09 | U    | 1   |

| Surrogate      | Cas Number | % Recovery | Units | Limits | Analysis Date  | Flag |
|----------------|------------|------------|-------|--------|----------------|------|
| 1-Chlorooctane | 111-85-3   | 122        | %     | 70-135 | 07.04.19 19.09 |      |
| o-Terphenyl    | 84-15-1    | 106        | %     | 70-135 | 07.04.19 19.09 |      |





# Certificate of Analytical Results 629653

## Tetra Tech- Midland, Midland, TX

EOG - Neptune 10- State CTB

Sample Id: **AH9 (1-1.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-045

Date Collected: 06.27.19 00.00

Sample Depth: 1 - 1.5 ft

Analytical Method: BTEX by EPA 8021B

Prep Method: SW5030B

Tech: DVM

% Moisture:

Analyst: AMB

Date Prep: 07.08.19 12.20

Basis: Wet Weight

Seq Number: 3094951

SUB: T104704400-18-16

| Parameter            | Cas Number        | Result            | RL           | Units         | Analysis Date        | Flag        | Dil |
|----------------------|-------------------|-------------------|--------------|---------------|----------------------|-------------|-----|
| Benzene              | 71-43-2           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 19.58       | U           | 1   |
| Toluene              | 108-88-3          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 19.58       | U           | 1   |
| Ethylbenzene         | 100-41-4          | <0.00199          | 0.00199      | mg/kg         | 07.09.19 19.58       | U           | 1   |
| m,p-Xylenes          | 179601-23-1       | <0.00398          | 0.00398      | mg/kg         | 07.09.19 19.58       | U           | 1   |
| o-Xylene             | 95-47-6           | <0.00199          | 0.00199      | mg/kg         | 07.09.19 19.58       | U           | 1   |
| Total Xylenes        | 1330-20-7         | <0.00199          | 0.00199      | mg/kg         | 07.09.19 19.58       | U           | 1   |
| Total BTEX           |                   | <0.00199          | 0.00199      | mg/kg         | 07.09.19 19.58       | U           | 1   |
| <b>Surrogate</b>     | <b>Cas Number</b> | <b>% Recovery</b> | <b>Units</b> | <b>Limits</b> | <b>Analysis Date</b> | <b>Flag</b> |     |
| 1,4-Difluorobenzene  | 540-36-3          | 89                | %            | 70-130        | 07.09.19 19.58       |             |     |
| 4-Bromofluorobenzene | 460-00-4          | 111               | %            | 70-130        | 07.09.19 19.58       |             |     |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH9 (2-2.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-046

Date Collected: 06.27.19 00.00

Sample Depth: 2 - 2.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

| Parameter | Cas Number | Result      | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|-------------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | <b>99.8</b> | 5.05 | mg/kg | 07.03.19 19.52 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH9 (3-3.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-047

Date Collected: 06.27.19 00.00

Sample Depth: 3 - 3.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 65.9   | 4.96 | mg/kg | 07.03.19 19.56 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH9 (4-4.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-048

Date Collected: 06.27.19 00.00

Sample Depth: 4 - 4.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 10.5   | 5.03 | mg/kg | 07.03.19 18.29 |      | 1   |

**Certificate of Analytical Results 629653****Tetra Tech- Midland, Midland, TX**

EOG - Neptune 10- State CTB

Sample Id: **AH9 (5-5.5')**

Matrix: Soil

Date Received: 07.01.19 13.00

Lab Sample Id: 629653-049

Date Collected: 06.27.19 00.00

Sample Depth: 5 - 5.5 ft

Analytical Method: Chloride by EPA 300

Prep Method: E300P

Tech: CHE

% Moisture:

Analyst: CHE

Date Prep: 07.03.19 16.15

Basis: Wet Weight

Seq Number: 3094423

SUB: T104704400-18-16

| Parameter | Cas Number | Result | RL   | Units | Analysis Date  | Flag | Dil |
|-----------|------------|--------|------|-------|----------------|------|-----|
| Chloride  | 16887-00-6 | 12.0   | 4.99 | mg/kg | 07.03.19 19.37 |      | 1   |



## Flagging Criteria

- X** In our quality control review of the data a QC deficiency was observed and flagged as noted. MS/MSD recoveries were found to be outside of the laboratory control limits due to possible matrix /chemical interference, or a concentration of target analyte high enough to affect the recovery of the spike concentration. This condition could also affect the relative percent difference in the MS/MSD.
- B** A target analyte or common laboratory contaminant was identified in the method blank. Its presence indicates possible field or laboratory contamination.
- D** The sample(s) were diluted due to targets detected over the highest point of the calibration curve, or due to matrix interference. Dilution factors are included in the final results. The result is from a diluted sample.
- E** The data exceeds the upper calibration limit; therefore, the concentration is reported as estimated.
- F** RPD exceeded lab control limits.
- J** The target analyte was positively identified below the quantitation limit and above the detection limit.
- U** Analyte was not detected.
- L** The LCS data for this analytical batch was reported below the laboratory control limits for this analyte. The department supervisor and QA Director reviewed data. The samples were either reanalyzed or flagged as estimated concentrations.
- H** The LCS data for this analytical batch was reported above the laboratory control limits. Supporting QC Data were reviewed by the Department Supervisor and QA Director. Data were determined to be valid for reporting.
- K** Sample analyzed outside of recommended hold time.
- JN** A combination of the "N" and the "J" qualifier. The analysis indicates that the analyte is "tentatively identified" and the associated numerical value may not be consistent with the amount actually present in the environmental sample.

\*\* Surrogate recovered outside laboratory control limit.

**BRL** Below Reporting Limit.

**RL** Reporting Limit

**MDL** Method Detection Limit      **SDL** Sample Detection Limit      **LOD** Limit of Detection

**PQL** Practical Quantitation Limit      **MQL** Method Quantitation Limit      **LOQ** Limit of Quantitation

**DL** Method Detection Limit

**NC** Non-Calculable

**SMP** Client Sample      **BLK** Method Blank

**BKS/LCS** Blank Spike/Laboratory Control Sample      **BKSD/LCSD** Blank Spike Duplicate/Laboratory Control Sample Duplicate

**MD/SD** Method Duplicate/Sample Duplicate      **MS** Matrix Spike      **MSD:** Matrix Spike Duplicate

+ NELAC certification not offered for this compound.

\* (Next to analyte name or method description) = Outside XENCO's scope of NELAC accreditation



**Tetra Tech- Midland**  
EOG - Neptune 10- State CTB

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094285

MB Sample Id: 7681270-1-BLK

Matrix: Solid

LCS Sample Id: 7681270-1-BKS

Prep Method: E300P

Date Prep: 07.02.19

LCSD Sample Id: 7681270-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Chloride  | <0.858    | 250          | 252        | 101      | 252         | 101       | 90-110 | 0    | 20        | mg/kg | 07.02.19 23:56 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094286

MB Sample Id: 7681271-1-BLK

Matrix: Solid

LCS Sample Id: 7681271-1-BKS

Prep Method: E300P

Date Prep: 07.02.19

LCSD Sample Id: 7681271-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Chloride  | <5.00     | 250          | 255        | 102      | 255         | 102       | 90-110 | 0    | 20        | mg/kg | 07.03.19 03:55 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094272

MB Sample Id: 7681272-1-BLK

Matrix: Solid

LCS Sample Id: 7681272-1-BKS

Prep Method: E300P

Date Prep: 07.02.19

LCSD Sample Id: 7681272-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Chloride  | <0.858    | 250          | 251        | 100      | 250         | 100       | 90-110 | 0    | 20        | mg/kg | 07.02.19 19:35 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094423

MB Sample Id: 7681374-1-BLK

Matrix: Solid

LCS Sample Id: 7681374-1-BKS

Prep Method: E300P

Date Prep: 07.03.19

LCSD Sample Id: 7681374-1-BSD

| Parameter | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Chloride  | <0.858    | 250          | 239        | 96       | 239         | 96        | 90-110 | 0    | 20        | mg/kg | 07.03.19 18:20 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094285

Parent Sample Id: 629639-005

Matrix: Soil

MS Sample Id: 629639-005 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629639-005 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride  | <0.864        | 252          | 253       | 100     | 254        | 101      | 90-110 | 0    | 20        | mg/kg | 07.03.19 00:18 |      |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



**Tetra Tech- Midland**  
EOG - Neptune 10- State CTB

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094285

Parent Sample Id: 629639-015

Matrix: Soil

MS Sample Id: 629639-015 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629639-015 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride  | 117           | 250          | 368       | 100     | 367        | 100      | 90-110 | 0    | 20        | mg/kg | 07.03.19 01:59 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094286

Parent Sample Id: 629653-004

Matrix: Soil

MS Sample Id: 629653-004 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629653-004 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride  | 57.2          | 250          | 309       | 101     | 309        | 101      | 90-110 | 0    | 20        | mg/kg | 07.03.19 04:17 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094286

Parent Sample Id: 629653-011

Matrix: Soil

MS Sample Id: 629653-011 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629653-011 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride  | 126           | 251          | 293       | 67      | 292        | 66       | 90-110 | 0    | 20        | mg/kg | 07.03.19 05:59 | X    |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094272

Parent Sample Id: 629653-022

Matrix: Soil

MS Sample Id: 629653-022 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629653-022 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride  | 70.6          | 250          | 313       | 97      | 312        | 97       | 90-110 | 0    | 20        | mg/kg | 07.02.19 19:49 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094272

Parent Sample Id: 629653-032

Matrix: Soil

MS Sample Id: 629653-032 S

Prep Method: E300P

Date Prep: 07.02.19

MSD Sample Id: 629653-032 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride  | 585           | 251          | 789       | 81      | 790        | 82       | 90-110 | 0    | 20        | mg/kg | 07.02.19 20:57 | X    |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C-A) / B$   
 $RPD = 200 * |(C-E) / (C+E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec





**Tetra Tech- Midland**  
EOG - Neptune 10- State CTB

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094423

Parent Sample Id: 629653-048

Matrix: Soil

MS Sample Id: 629653-048 S

Prep Method: E300P

Date Prep: 07.03.19

MSD Sample Id: 629653-048 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride  | 10.5          | 252          | 268       | 102     | 269        | 103      | 90-110 | 0    | 20        | mg/kg | 07.03.19 18:34 |      |

**Analytical Method: Chloride by EPA 300**

Seq Number: 3094423

Parent Sample Id: 629653-049

Matrix: Soil

MS Sample Id: 629653-049 S

Prep Method: E300P

Date Prep: 07.03.19

MSD Sample Id: 629653-049 SD

| Parameter | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Chloride  | 12.0          | 250          | 268       | 102     | 265        | 101      | 90-110 | 1    | 20        | mg/kg | 07.03.19 19:42 |      |

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3094460

MB Sample Id: 7681386-1-BLK

Matrix: Solid

LCS Sample Id: 7681386-1-BKS

Prep Method: TX1005P

Date Prep: 07.04.19

LCSD Sample Id: 7681386-1-BSD

| Parameter                         | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------------------------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Gasoline Range Hydrocarbons (GRO) | <8.00     | 1000         | 1120       | 112      | 1150        | 115       | 70-135 | 3    | 20        | mg/kg | 07.04.19 10:18 |      |
| Diesel Range Organics (DRO)       | <8.13     | 1000         | 1120       | 112      | 1100        | 110       | 70-135 | 2    | 20        | mg/kg | 07.04.19 10:18 |      |

| Surrogate      | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date  |
|----------------|---------|---------|----------|----------|-----------|-----------|--------|-------|----------------|
| 1-Chlorooctane | 112     |         | 114      |          | 102       |           | 70-135 | %     | 07.04.19 10:18 |
| o-Terphenyl    | 113     |         | 130      |          | 115       |           | 70-135 | %     | 07.04.19 10:18 |

**Analytical Method: TPH By SW8015 Mod**

Seq Number: 3094460

Parent Sample Id: 629653-001

Matrix: Soil

MS Sample Id: 629653-001 S

Prep Method: TX1005P

Date Prep: 07.04.19

MSD Sample Id: 629653-001 SD

| Parameter                         | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|-----------------------------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Gasoline Range Hydrocarbons (GRO) | 14.5          | 998          | 1190      | 118     | 1190       | 118      | 70-135 | 0    | 20        | mg/kg | 07.04.19 11:32 |      |
| Diesel Range Organics (DRO)       | 12.4          | 998          | 1150      | 114     | 1220       | 121      | 70-135 | 6    | 20        | mg/kg | 07.04.19 11:32 |      |

| Surrogate      | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date  |
|----------------|---------|---------|----------|----------|--------|-------|----------------|
| 1-Chlorooctane | 112     |         | 109      |          | 70-135 | %     | 07.04.19 11:32 |
| o-Terphenyl    | 128     |         | 136      | **       | 70-135 | %     | 07.04.19 11:32 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C-A) / B$   
 $RPD = 200 * |(C-E) / (C+E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec



**Tetra Tech- Midland**  
EOG - Neptune 10- State CTB

**Analytical Method: BTEX by EPA 8021B**

Seq Number: 3094951

MB Sample Id: 7681537-1-BLK

Matrix: Solid

LCS Sample Id: 7681537-1-BKS

Prep Method: SW5030B

Date Prep: 07.08.19

LCSD Sample Id: 7681537-1-BSD

| Parameter    | MB Result | Spike Amount | LCS Result | LCS %Rec | LCSD Result | LCSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|--------------|-----------|--------------|------------|----------|-------------|-----------|--------|------|-----------|-------|----------------|------|
| Benzene      | <0.00199  | 0.0996       | 0.0778     | 78       | 0.0883      | 88        | 70-130 | 13   | 35        | mg/kg | 07.09.19 09:13 |      |
| Toluene      | <0.000454 | 0.0996       | 0.0955     | 96       | 0.104       | 104       | 70-130 | 9    | 35        | mg/kg | 07.09.19 09:13 |      |
| Ethylbenzene | <0.00199  | 0.0996       | 0.109      | 109      | 0.116       | 116       | 70-130 | 6    | 35        | mg/kg | 07.09.19 09:13 |      |
| m,p-Xylenes  | <0.00101  | 0.199        | 0.215      | 108      | 0.229       | 114       | 70-130 | 6    | 35        | mg/kg | 07.09.19 09:13 |      |
| o-Xylene     | 0.000750  | 0.0996       | 0.102      | 102      | 0.109       | 109       | 70-130 | 7    | 35        | mg/kg | 07.09.19 09:13 |      |

| Surrogate            | MB %Rec | MB Flag | LCS %Rec | LCS Flag | LCSD %Rec | LCSD Flag | Limits | Units | Analysis Date  |
|----------------------|---------|---------|----------|----------|-----------|-----------|--------|-------|----------------|
| 1,4-Difluorobenzene  | 89      |         | 87       |          | 90        |           | 70-130 | %     | 07.09.19 09:13 |
| 4-Bromofluorobenzene | 101     |         | 108      |          | 104       |           | 70-130 | %     | 07.09.19 09:13 |

**Analytical Method: BTEX by EPA 8021B**

Seq Number: 3094951

Parent Sample Id: 629639-021

Matrix: Soil

MS Sample Id: 629639-021 S

Prep Method: SW5030B

Date Prep: 07.08.19

MSD Sample Id: 629639-021 SD

| Parameter    | Parent Result | Spike Amount | MS Result | MS %Rec | MSD Result | MSD %Rec | Limits | %RPD | RPD Limit | Units | Analysis Date  | Flag |
|--------------|---------------|--------------|-----------|---------|------------|----------|--------|------|-----------|-------|----------------|------|
| Benzene      | <0.00201      | 0.101        | 0.0791    | 78      | 0.0789     | 79       | 70-130 | 0    | 35        | mg/kg | 07.09.19 09:59 |      |
| Toluene      | <0.000458     | 0.101        | 0.0828    | 82      | 0.0829     | 83       | 70-130 | 0    | 35        | mg/kg | 07.09.19 09:59 |      |
| Ethylbenzene | <0.00201      | 0.101        | 0.0812    | 80      | 0.0864     | 87       | 70-130 | 6    | 35        | mg/kg | 07.09.19 09:59 |      |
| m,p-Xylenes  | <0.00102      | 0.201        | 0.143     | 71      | 0.149      | 75       | 70-130 | 4    | 35        | mg/kg | 07.09.19 09:59 |      |
| o-Xylene     | <0.000346     | 0.101        | 0.0802    | 79      | 0.0826     | 83       | 70-130 | 3    | 35        | mg/kg | 07.09.19 09:59 |      |

| Surrogate            | MS %Rec | MS Flag | MSD %Rec | MSD Flag | Limits | Units | Analysis Date  |
|----------------------|---------|---------|----------|----------|--------|-------|----------------|
| 1,4-Difluorobenzene  | 92      |         | 92       |          | 70-130 | %     | 07.09.19 09:59 |
| 4-Bromofluorobenzene | 112     |         | 114      |          | 70-130 | %     | 07.09.19 09:59 |

MS/MSD Percent Recovery  
Relative Percent Difference  
LCS/LCSD Recovery  
Log Difference

$[D] = 100 * (C - A) / B$   
 $RPD = 200 * |(C - E) / (C + E)|$   
 $[D] = 100 * (C) / [B]$   
 Log Diff. = Log(Sample Duplicate) - Log(Original Sample)

LCS = Laboratory Control Sample  
 A = Parent Result  
 C = MS/LCS Result  
 E = MSD/LCSD Result

MS = Matrix Spike  
 B = Spike Added  
 D = MSD/LCSD % Rec

### **Analysis Request of Chain of Custody Record**



**Tetra Tech, Inc.**

901W Wall Street, Ste 100  
Midland, Texas 79705  
Tel (432) 682-4559  
Fax (432) 682-3946

429453

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## Analysis Request of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100  
 Midland, Texas 79705  
 Tel (432) 682-4559  
 Fax (432) 682-3946

Client Name: EOG

Site Manager:

Clain Gonzales

Project Name:

Naptime 10 State CTR

Project Location:

Lea CO, NM

Project #:

212C-MD-01816

Invoice to:

EOG - James Kennedy &amp; Todd Wells

Receiving Laboratory:

Xanco

Comments:

Ran deeper samples if benzene exceeds 10 mg/kg or TPH exceeds 100 mg/kg on it

Sampler Signature:

Tony Legenda

## SAMPLE IDENTIFICATION

LAB #  
(LAB USE ONLY)YEAR: 2019  
DATE  
TIME

SAMPLING

MATRIX

PRESERVATIVE METHOD

 WATER  
 SOIL  
 HCL  
 HNO<sub>3</sub>  
 ICE  
 None

 # CONTAINERS  
 FILTERED (Y/N)

 AH2 (4-4.5')  
 AH3 (0-1')  
 AH3 (1-1.5')  
 AH3 (2-2.5')  
 AH3 (3-3.5')  
 AH3 (4-4.5')  
 AH3 (5-5.5')  
 AH4 (6-1')  
 AH4 (1-1.5')  
 AH4 (2-2.5')

 6/27/19  
 X  
 X  
 X  
 X  
 X  
 X  
 X  
 X  
 X  
 X

 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

 ANALYSIS REQUEST  
 (Circle or Specify Method No.)

 Inquired by: [Signature]  
 Date: 7/1/19 Time: 1300

 Received by: [Signature]  
 Date: 7/1/19 Time: 13:00

 Inquired by: [Signature]  
 Date: [ ] Time: [ ]

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

LAB USE ONLY

Sample Temperature

40C

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

029453

Page

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## Analysis Request of Chain of Custody Record



Tetra Tech, Inc.

 901W Wall Street, Ste 100  
 Midland, Texas 79705  
 Tel (432) 682-4559  
 Fax (432) 682-3946

Client Name:

EOG

Site Manager:

Clain Gonzales

Project Name:

Neptune 10 State CTR

Project Location:

Lea CO, NM

Project #:

212C-MD-01816

Invoice to:

EOG - James Kennedy &amp; Todd Wells

Receiving Laboratory:

Xanco

Comments:

Run deeper samples if benzene exceeds 10 mg/kg or BTEX exceeds 50 mg/kg or if TPH exceeds 100 mg/kg

Sampler Signature:

Tony Legondy

## SAMPLE IDENTIFICATION

LAB #  
(LAB USE ONLY)

AH 4 (3-3.5')

AH 4 (4-4.5')

AH 5 (0-1')

AH 5 (1-1.5')

AH 5 (2-2.5')

AH 5 (3-3.5')

AH 5 (4-4.5')

AH 5 (5-5.5')

AH 5 (6-6.5')

AH 5 (7-7.5')

DATE  
TIMEWATER  
SOIL  
HCL  
HNO<sub>3</sub>  
ICE  
None# CONTAINERS  
FILTERED (Y/N)

BTEX 8021B BTEX 8260B

TPH TX1005 (Ext to C35)

TPH 8015M (GRO - DRO - 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

Hold

 ANALYSIS REQUEST  
 (Circle or Specify Method No.)

Inquired by:

Date: Time:

Inquired by:

Date: Time:

Inquired by:

Date: Time:

Received by:

Date: Time:

Received by:

Date: Time:

Received by:

Date: Time:

LAB USE ONLY

REMARKS:

40C

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

ORIGINAL COPY

(Circle) HAND DELIVERED FEDEX UPS Tracking #:

1029653

Page

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IOS Number **42634**

Date/Time: 07/01/19 16:01

Created by: Martha Castro

Please send report to: Kelsey Brooks

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 775613045113

E-Mail: kelsey.brooks@xenco.com

| Sample Id  | Matrix | Client Sample Id | Sample Collection | Method       | Method Name         | Lab Due  | HT Due   | PM  | Analytes             | Sign |
|------------|--------|------------------|-------------------|--------------|---------------------|----------|----------|-----|----------------------|------|
| 629653-001 | S      | AH 1 (0-1')      | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-001 | S      | AH 1 (0-1')      | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-001 | S      | AH 1 (0-1')      | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-002 | S      | AH 1 (1-1.5')    | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-002 | S      | AH 1 (1-1.5')    | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-002 | S      | AH 1 (1-1.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-003 | S      | AH 1 (2-2.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-004 | S      | AH 1 (3-3.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-005 | S      | AH 1 (4-4.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-006 | S      | AH 1 (5-5.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-007 | S      | AH 2 (0-1')      | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-007 | S      | AH 2 (0-1')      | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-007 | S      | AH 2 (0-1')      | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-008 | S      | AH 2 (1-1.5')    | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-008 | S      | AH 2 (1-1.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-008 | S      | AH 2 (1-1.5')    | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-009 | S      | AH 2 (2-2.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-010 | S      | AH 2 (3-3.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-011 | S      | AH 2 (4-4.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-012 | S      | AH 3 (0-1')      | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-012 | S      | AH 3 (0-1')      | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-012 | S      | AH 3 (0-1')      | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-013 | S      | AH 3 (1-1.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-013 | S      | AH 3 (1-1.5')    | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-013 | S      | AH 3 (1-1.5')    | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |



# Inter-Office Shipment

**IOS Number 42634**

Date/Time: 07/01/19 16:01

Created by: Martha Castro

Please send report to: Kelsey Brooks

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 775613045113

E-Mail: kelsey.brooks@xenco.com

| Sample Id  | Matrix | Client Sample Id | Sample Collection | Method       | Method Name         | Lab Due  | HT Due   | PM  | Analytes             | Sign |
|------------|--------|------------------|-------------------|--------------|---------------------|----------|----------|-----|----------------------|------|
| 629653-014 | S      | AH 3 (2-2.5')    | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-015 | S      | AH3 (3-3.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-016 | S      | AH3 (4-4.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-017 | S      | AH3 (5-5.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-018 | S      | AH4 (0-1')       | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-018 | S      | AH4 (0-1')       | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-018 | S      | AH4 (0-1')       | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-019 | S      | AH4 (1-1.5')     | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-019 | S      | AH4 (1-1.5')     | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-019 | S      | AH4 (1-1.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-020 | S      | AH4 (2-2.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-021 | S      | AH4 (3-3.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-022 | S      | AH4 (4-4.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-023 | S      | AH5 (0-1')       | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-023 | S      | AH5 (0-1')       | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-023 | S      | AH5 (0-1')       | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-024 | S      | AH5 (1-1.5')     | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-024 | S      | AH5 (1-1.5')     | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-024 | S      | AH5 (1-1.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-025 | S      | AH5 (2-2.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-026 | S      | AH5 (3-3.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-027 | S      | AH5 (4-4.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-028 | S      | AH5 (5-5.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-029 | S      | AH5 (6-6.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-030 | S      | AH5 (7-7.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |

**Inter Office Shipment or Sample Comments:**

IOS Number **42634**

Date/Time: 07/01/19 16:01

Created by: Martha Castro

Please send report to: Kelsey Brooks

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 775613045113

E-Mail: kelsey.brooks@xenco.com

| Sample Id  | Matrix | Client Sample Id | Sample Collection | Method       | Method Name         | Lab Due  | HT Due   | PM  | Analytes             | Sign |
|------------|--------|------------------|-------------------|--------------|---------------------|----------|----------|-----|----------------------|------|
| 629653-031 | S      | AH6 (0-1')       | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-031 | S      | AH6 (0-1')       | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-031 | S      | AH6 (0-1')       | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-032 | S      | AH6 (1-1.5')     | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-032 | S      | AH6 (1-1.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-032 | S      | AH6 (1-1.5')     | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-033 | S      | AH6 (2-2.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-034 | S      | AH6 (3-3.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-035 | S      | AH6 (4-4.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-036 | S      | AH6 (5-5.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-037 | S      | AH7 (0-1')       | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-037 | S      | AH7 (0-1')       | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-037 | S      | AH7 (0-1')       | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-038 | S      | AH7 (1-1.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-038 | S      | AH7 (1-1.5')     | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-038 | S      | AH7 (1-1.5')     | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-039 | S      | AH7 (2-2.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-040 | S      | AH7 (3-3.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-041 | S      | AH7 (4-4.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-042 | S      | AH8 (0-1')       | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-042 | S      | AH8 (0-1')       | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-042 | S      | AH8 (0-1')       | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-043 | S      | AH8 (1-1.5')     | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-043 | S      | AH8 (1-1.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-043 | S      | AH8 (1-1.5')     | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |

Inter Office Shipment or Sample Comments:

Relinquished By:

Received By:

Released to Imaging: 9/22/2021 9:03:33 AM



## Inter-Office Shipment

Page 4 of 4

IOS Number **42634**

Date/Time: 07/01/19 16:01

Created by: Martha Castro

Please send report to: Kelsey Brooks

Lab# From: **Carlsbad**

Delivery Priority:

Address: 1089 N Canal Street

Lab# To: **Midland**

Air Bill No.: 775613045113

E-Mail: kelsey.brooks@xenco.com

| Sample Id  | Matrix | Client Sample Id | Sample Collection | Method       | Method Name         | Lab Due  | HT Due   | PM  | Analytes             | Sign |
|------------|--------|------------------|-------------------|--------------|---------------------|----------|----------|-----|----------------------|------|
| 629653-044 | S      | AH9 (0-1')       | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-044 | S      | AH9 (0-1')       | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-044 | S      | AH9 (0-1')       | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-045 | S      | AH9 (1-1.5')     | 06/27/19 00:00    | SW8015MOD_NM | TPH By SW8015 Mod   | 07/08/19 | 07/11/19 | KEB | PHCC10C28 PHCC28C35  |      |
| 629653-045 | S      | AH9 (1-1.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-045 | S      | AH9 (1-1.5')     | 06/27/19 00:00    | SW8021B      | BTEX by EPA 8021B   | 07/08/19 | 07/11/19 | KEB | BR4FBZ BZ BZME EBZ X |      |
| 629653-046 | S      | AH9 (2-2.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-047 | S      | AH9 (3-3.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-048 | S      | AH9 (4-4.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |
| 629653-049 | S      | AH9 (5-5.5')     | 06/27/19 00:00    | E300_CL      | Chloride by EPA 300 | 07/08/19 | 12/24/19 | KEB | CL                   |      |

## Inter Office Shipment or Sample Comments:

Date Relinquished:

Martha Castro

07/01/2019

Date Received:

Cooler Temperature:

Brianna Teel

07/02/2019 12:14

0.6



## Inter Office Report- Sample Receipt Checklist

Sent To: Midland

IOS #: 42634

Acceptable Temperature Range: 0 - 6 degC

Air and Metal samples Acceptable Range: Ambient

Temperature Measuring device used : R8

Sent By: Martha Castro

Date Sent: 07/01/2019 04:01 PM

Received By: Brianna Teel

Date Received: 07/02/2019 12:14 PM

## Sample Receipt Checklist

## Comments

|   |     |
|---|-----|
| #1 *Temperature of cooler(s)?                             | .6  |
| #2 *Shipping container in good condition?                 | Yes |
| #3 *Samples received with appropriate temperature?        | Yes |
| #4 *Custody Seals intact on shipping container/ cooler?   | Yes |
| #5 *Custody Seals Signed and dated for Containers/coolers | Yes |
| #6 *IOS present?  | Yes |
| #7 Any missing/extra samples?                             | No  |
| #8 IOS agrees with sample label(s)/matrix?                | Yes |
| #9 Sample matrix/ properties agree with IOS?              | Yes |
| #10 Samples in proper container/ bottle?                  | Yes |
| #11 Samples properly preserved?                           | Yes |
| #12 Sample container(s) intact?                           | Yes |
| #13 Sufficient sample amount for indicated test(s)?       | Yes |
| #14 All samples received within hold time?                | Yes |

\* Must be completed for after-hours delivery of samples prior to placing in the refrigerator

NonConformance:

Corrective Action Taken:

## Nonconformance Documentation

Contact: \_\_\_\_\_ Contacted by : \_\_\_\_\_ Date: \_\_\_\_\_

Checklist reviewed by:

Brianna Teel

Date: 07/02/2019

## Appendix D

**District I**

1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**

811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**

1000 Rio Brazos Rd., Aztec, NM 87410  
Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**

1220 S. St Francis Dr., Santa Fe, NM 87505  
Phone:(505) 476-3470 Fax:(505) 476-3462

**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 43843

**CONDITIONS**

|  |   |
|--|---|
| Operator:<br>EOG RESOURCES INC<br>P.O. Box 2267<br>Midland, TX 79702 | OGRID:<br>7377  |
|  | Action Number:<br>43843                                   |
|  | Action Type:<br>[C-141] Release Corrective Action (C-141) |

**CONDITIONS**

|            |           |                |
|------------|-----------|----------------|
| Created By | Condition | Condition Date |
| chensley   | None      | 9/22/2021      |