



# Site Characterization Report and Remediation Workplan

July 13, 2024

**West Eumont Unit Injection Station  
Produced Water Release  
Incident No. nAPP2316651719  
Lea County, New Mexico**

**Prepared For:**

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A handwritten signature in blue ink that reads 'Cynthia K. Crain'.

Cynthia K. Crain, P.G.



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## 1.0 Introduction

Crain Environmental (CE), on behalf of Forty Acres Energy, LLC (FAE), has prepared this *Site Characterization Report and Remediation Workplan* for the produced water release at West Eumont Unit Injection Station (Site), located approximately 13 miles northwest of Eunice and approximately 15 miles southwest of Hobbs, in Lea County, New Mexico. The global positioning system (GPS) coordinates for the release are 32.527933, -103.329817. The property surface rights are privately owned. Land use in the Site vicinity is primarily oil and gas production activity and cattle grazing. The location of the Site is depicted on Figure 1.

## 2.0 Background

On June 14, 2023, a release from a produced water tank located south at the West Eumont Unit Injection Station was discovered. As a result of corrosion at the valve, approximately 1,200 barrels (bbls) of produced water were released. Immediately following the release, the area was secured, a vacuum truck was mobilized to the Site, and the valve was repaired. The released fluid flowed on the ground approximately 240 feet northeast from the release point. Surface impacts were initially estimated to cover an area measuring approximately 4,800 square feet. Approximately 1,200 bbl of fluid was recovered. The release point and the surface extent of the release are depicted on Figure 2.

A Notification of Release (NOR) was submitted to the New Mexico Oil Conservation Division (NMOCD) on June 15, 2023, and Incident #nAPP2316651719 was assigned. An Initial Form C-141 (Release Notification Report) was submitted on September 8, 2023. On April 17, 2024, a 90-day extension was approved for submittal of a Site Characterization Report and Remediation Workplan by July 16, 2024. Appendix A provides a copy of the C-141. Appendix B provides a copy of NMOCD correspondence.

This *Site Characterization Report and Remediation Workplan* has been prepared prior to the due date of July 16, 2024, in accordance with 19.15.29.11 New Mexico Administrative Code (NMAC).

## 3.0 NMOCD Closure Criteria

Cleanup standards for produced water spills are provided in 19.15.29 NMAC. The cleanup standards (described in the rule as "Closure Criteria") are based primarily on depth to groundwater but are also based on other criteria. Three different Closure Criteria are provided in the rule. The most stringent apply to sites where groundwater is found within 50 feet of the ground surface or if the release occurred within one of the following areas:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
- Within 1,000 feet of any fresh water well or spring.



- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
- Within 300 feet of a wetland.
- Within the area overlying a subsurface mine.
- Within an unstable area such as a karst formation.
- Within a 100-year floodplain.

CE reviewed available information to determine the Closure Criteria for the Site. The findings of this evaluation are summarized below.

### 3.1 Groundwater Evaluation

A review of the New Mexico Office of the State Engineer (NMOSE) records indicated there were no water wells located within 0.5 mile of the Site drilled within the last 25 years; however, FAE provided documentation that well (CP 1975 POD 1) was installed on August 24, 2023, to a depth of 160' below ground surface (bgs), and well L-15554 was installed on August 25, 2023 to a depth of 105' bgs. Groundwater was not encountered in either well, and both wells are located within 0.5 mile of the Site. The wells are listed in the table below. Figure 3 provides a 0.5-mile radius circle around the Site and shows the location of wells CP-1975 POD 1 and L-15554. The well logs are provided in Appendix C. Based on the available water well data, it is estimated that depth to groundwater at the Site is greater than 100 feet bgs.

#### Nearby Water Wells

Well ID	Location from Release Site	Year Installed	Use	Total Depth / Depth to Water (feet bgs)
CP 1975 POD 1	Approx. 4,369 feet to Southwest	2023	N/A	160 / DRY
L-15554	Approx. 4,445 feet to Northeast	2023	N/A	105 / DRY

### 3.2 Surface Features and Other Development

CE reviewed recent aerial photographs, topographic maps, the NMOSE Point of Discharge (POD) GIS website, and information available from the Lea County, New Mexico Central Appraisal District website. As shown on Figure 1, the Site is **not** located:

- Within 300 feet of any continuously flowing watercourse or any other significant watercourse.
  - No continuously flowing watercourses (rivers, streams, arroyos, etc.) are apparent within 300 feet of the Site in the topographic map (Figure 1).
- Within 200 feet of any lakebed, sinkhole or playa lake (measured from the ordinary highwater mark).
  - The topographic map (Figure 1) indicates there is not a lakebed, sinkhole or playa lake located within 200 feet of the Site.
- Within 300 feet from an occupied permanent residence, school, hospital, institution or church.



- The Site Location Map (Figure 1) and information available from the Lea County, New Mexico Central Appraisal District do not show or list any permanent residence, school, hospital, institution or church located within 300 feet of the Site.
- Within 500 feet of a spring or a private, domestic fresh water well used by less than five households for domestic or stock watering purposes.
  - No wells or springs located within 500 feet of the Site appear in any of the NMOSE records reviewed by CE.
- Within 1,000 feet of any fresh water well or spring.
  - No freshwater wells or springs located within 1,000 feet of the Site appear in any of the records reviewed by CE.
- Within incorporated municipal boundaries or within a defined municipal fresh water well field covered under a municipal ordinance adopted pursuant to Section 3-27-3 NMSA 1978 as amended.
  - Based on the property and other records review by CE, the Site is not located in incorporated municipal boundaries or within a defined municipal fresh water well field.
- Within the area overlying a subsurface mine.
  - Based on the property and other records reviewed by CE, the Site is not located within an area overlying a subsurface mine.

### 3.3 Wetlands, Floodplain, and Karst Geology

A review of the United States Fish and Wildlife Service (USFWS) wetlands map indicated the Site is not located within 300 feet of a wetland. The New Mexico Bureau of Land Management (BLM) karst potential map indicates the Site is located within a “low karst potential” area. Finally, review of the Federal Emergency Management Act (FEMA) floodplain map indicates the release at the Site is located outside of a 100-year floodplain. Figures 4, 5, and 6 depict the USFWS map, the FEMA floodplain map, and the karst potential map, respectively.

### 3.4 Closure Criteria Currently Assumed Applicable to the Site

At depths greater than 4' bgs, the Closure Criteria applicable to the Site will be based on the estimated depth to groundwater, which dictates the least stringent Closure Criteria typically associated with groundwater depths of greater than 100 feet bgs. From the surface to a depth of 4' bgs, the most stringent Closure Criteria will apply. A summary of the Closure Criteria is provided in the table below and in Table 1.



### NMOCD Closure Criteria

Constituent of Concern		Closure Criteria Based on Depth to Groundwater (mg/kg)		
		≤ 50 feet bgs	51 feet to 100 feet bgs	> 100 feet bgs
Chloride (EPA 300)		600	10,000	20,000
TPH (EPA 8015M)	GRO + DRO + MRO	100	2,500	2,500
	GRO + DRO	NA	1,000	1,000
Total BTEX (EPA 8021 or 8260)		50	50	50
Benzene (EPA 8021 or 8260)		10	10	10

Notes: NA = not applicable  
 bgs = below ground surface  
 mg/kg = milligrams per kilogram  
 GRO = gasoline range organics  
 DRO = diesel range organics  
 MRO = motor oil range organics  
 TPH = total petroleum hydrocarbons  
 BTEX = benzene, toluene, ethylbenzene, and total xylenes  
 Green highlighted cells denote applicable Closure Criteria.

#### 4.0 Site Assessment/Characterization Results

As per 19.15.29.11 NMAC, a Site Characterization Report will have the components described in Sections 4.1 through 4.5 of this document.

##### 4.1 Site Map

As required by 19.15.29.11 NMAC, a scaled diagram showing significant Site infrastructure, sample point locations, and known subsurface features such as utilities is provided as Figure 2.

##### 4.2 Depth to Groundwater

As discussed in Section 3.1, the exact depth to groundwater beneath the Site is unknown; however, water wells were drilled to the southwest (CP-1075) and northeast (L-15554) of the Site in 2023 to depths of 160' and 105' bgs (respectively), and groundwater was not encountered. Depth to groundwater is estimated be greater than 100' bgs at the Site.

##### 4.3 Wellhead Protection Area

The 0.5-mile wellhead protection area is shown on Figure 3. Two water wells were drilled within 0.5 mile of the Site in 2023, but the wells were dry. There were no other water sources, springs, or other sources of freshwater extraction identified within 0.5-mile of the Site.

##### 4.4 Distance to Nearest Significant Watercourse

The horizontal distance to the nearest significant watercourse as defined in Subsection P of 19.15.17.7 NMAC is greater than 0.5-mile from the Site.



#### 4.5 Initial Delineation Activities

On February 29, 2024, soil samples (DS-1, DS-2, and DS-5 through DS 29) were collected by Terracon at 27 locations throughout the release area to determine the vertical and horizontal limits of the impact. Samples were collected from each location at a depth of 0.5' bgs, and a total depth of either 2.5', 4', or 5' bgs. Soil samples were placed in clean glass sample jars, properly labeled, immediately placed on ice and hand delivered to Cardinal Laboratories (Cardinal) in Hobbs, New Mexico under proper chain-of-custody control. All samples were analyzed for total petroleum hydrocarbons (TPH) by Environmental Protection Agency (EPA) SW-846 Method 8015 Modified, for benzene, toluene, ethylbenzene and xylenes (collectively referred to as BTEX) by EPA SW-846 Method 8021B, and for chlorides by Method SM4500Cl.

Table 1 provides a summary of the laboratory results, and sample locations are provided on Figure 2. The laboratory report and chain-of-custody documentation is provided in Appendix D. Photographic documentation is provided in Appendix E.

Referring to Table 1, concentrations of BTEX were reported below the test method detection limits in all samples. Concentrations of TPH exceeded the Closure Criteria in 3 samples collected at a depth of 0.5' bgs (DS-01 [1,858 mg/kg], DS 22 [280.1 mg/kg], and DS 28 [111 mg/kg]). Concentrations of chlorides exceeded the Closure Criteria at 13 sample locations, as shown on Figure 2.

Soils with TPH and chloride exceedances will be addressed in accordance with the Proposed Remediation Workplan discussed in Section 5.0.

#### 4.6 Laboratory Analytical Data Quality Assurance/Quality Control Results

Data reported in Report Number H241208 generated by Cardinal, was reviewed to ensure that reported analytical results met data quality objectives. It was determined by quality control data associated with analytical results that reported concentrations of target analytes are defensible and that measurement data reliability is within the expected limits of sampling and analytical error. All analytical results are usable for characterization of soil at the Site. The laboratory analytical results are provided as Appendix D.



## 5.0 Proposed Remediation Workplan

Benzene and BTEX concentrations were reported below the test method detection limits in all samples. Concentrations of TPH were reported above the Closure Criteria in 3 samples, and concentrations of chlorides were reported above the Closure Criteria in 13 samples, as listed on Table 1 and shown on Figure 2.

FAE proposes to excavate all impacted soil until confirmation samples collected from the bottom and sidewalls of the excavation report TPH and chloride concentrations below the NMOCD Closure Criteria. As initial BTEX concentrations were below the test method detection limits, each confirmation sample will be analyzed only for TPH and chlorides. Pursuant to 19.15.29.12(D) NMAC, confirmation samples will consist of five-point composite samples, and discrete grab samples will be collected from any wet or discolored areas. Samples collected by Terracon on February 29, 2024, will be used to determine the necessary area of excavation, and will not be duplicated during collection of final confirmation samples. The excavated material will be transported under manifest to a NMOCD approved disposal facility.

Upon receipt of laboratory results that all TPH and chloride concentrations are below the Closure Criteria, the excavation will be backfilled to grade with non-impacted similar material obtained from a landowner pit. Pursuant to 19.15.29.13 NMAC, the impacted surface areas will be restored to pre-release conditions. Surface grading will be performed to near original conditions and contoured to prevent erosion and ponding, promote stability, and preserve storm water flow patterns.

FAE respectfully requests a remediation schedule of 90 days from the date of NMOCD approval of this Remediation Workplan to complete the proposed remediation activities and submit a *Remediation Summary and Closure Report* for NMOCD approval. The closure report will summarize remedial activities and confirmation sampling results, and will include the final Form C-141.

## 6.0 Distribution

Copy 1: Mike Bratcher  
New Mexico Energy, Minerals, and Natural Resources Department  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

Copy 2: Ryan Swift  
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## TABLE

**TABLE 1**  
**SUMMARY OF SOIL SAMPLE ANALYTICAL RESULTS**  
**FORTY ACRES ENERGY, LLC**  
**WEST EUMONT INJECTION STATION**  
**NMOCD INCIDENT # nAPP2316651719**

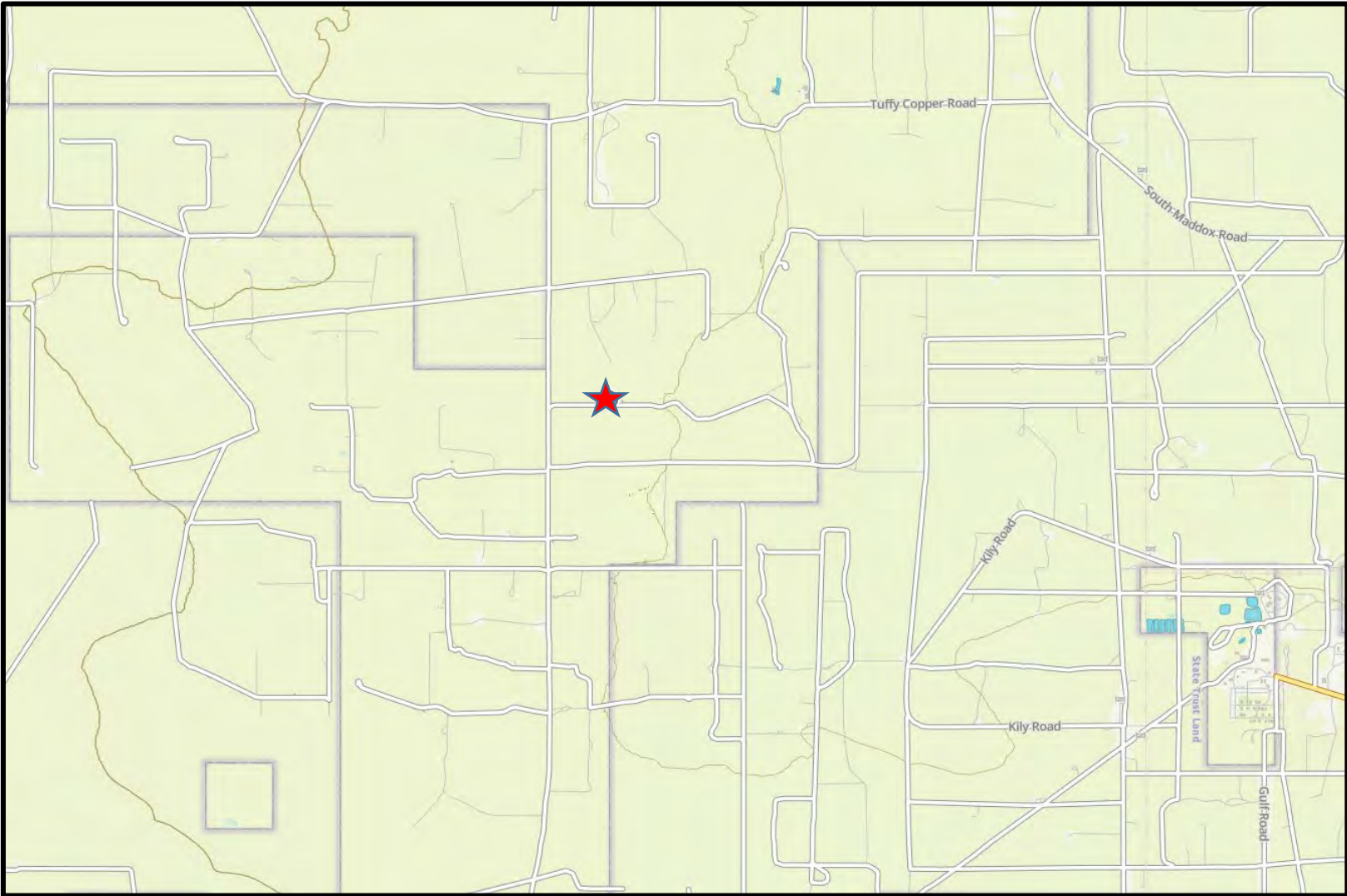
Sample ID	Sample Date	Sample Depth	Soil Status	TPH (GRO)	TPH (DRO)	TPH (MRO)	Total TPH	Benzene	Toluene	Ethylbenzene	Total Xylenes	Total BTEX	Chloride
NMOCD Closure Criteria				milligrams per kilogram (mg/kg)									
State Land 76 #001 - 30-025-00376 - Well Pad							100	10	-	-	-	50	600
DS 01 0.5	02/29/24	0.5'	In Situ	<50.0	<b>1,520</b>	<b>338</b>	<b>1,858</b>	<0.050	<0.050	<b>0.073</b>	<b>0.181</b>	<0.300	<b>3,080</b>
DS 01 4	02/29/24	4'	In Situ	<10.0	<b>55</b>	<10.0	<b>55</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<b>800</b>
DS 02 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>656</b>
DS 02 4	02/29/24	4'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>144</b>
DS 05 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>160</b>
DS 05 2.5	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>48.0</b>
DS 06 1.5	02/29/24	1.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>3,160</b>
DS 07 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>80.0</b>
DS 07 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>144</b>
DS 08 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>304</b>
DS 09 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>32.0</b>
DS 09 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>16.0</b>
DS 10 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>848</b>
DS 10 2.5	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,120</b>
DS 11 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>240</b>
DS 11 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>2,360</b>
DS 12 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>16.0</b>
DS 12 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>32.0</b>
DS 13 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>16.0</b>
DS 13 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>128</b>
DS 14 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>32.0</b>
DS 14 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>704</b>
DS 15 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>48.0</b>
DS 15 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>672</b>
DS 16 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>240</b>
DS 16 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>992</b>
DS 17 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>64.0</b>
DS 17 2.5	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>112</b>
DS 18 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>992</b>
DS 18 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>80.0</b>
DS 19 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>208</b>
DS 19 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>48.0</b>
DS 20 0.5	02/29/24	0.5'	In Situ	<10.0	<b>84.1</b>	<10.0	<b>84.1</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<b>9,460</b>
DS 20 4	02/29/24	4'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,320</b>
DS 21 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>720</b>
DS 21 5	02/29/24	5'	In Situ	<10.0	<b>83.1</b>	<10.0	<b>83.1</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<b>320</b>
DS 22 0.5	02/29/24	0.5'	In Situ	<10.0	<b>254</b>	<b>26.1</b>	<b>280.1</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,760</b>
DS 22 4	02/29/24	4'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>64.0</b>
DS 23 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>288</b>
DS 23 4	02/29/24	4'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>432</b>
DS 24 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>80.0</b>
DS 24 4	02/29/24	4'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>192</b>
DS 25 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,280</b>
DS 25 2.5	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>3,080</b>
DS 26 2.5	02/29/24	2.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>3,080</b>
DS 27 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,660</b>
DS 28 0.5	02/29/24	0.5'	In Situ	<10.0	<b>111</b>	<10.0	<b>111</b>	<0.050	<0.050	<0.050	<0.150	<0.300	<b>5,280</b>
DS 28 4	02/29/24	4'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>4,000</b>
DS 29 0.5	02/29/24	0.5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>1,230</b>
DS 29 5	02/29/24	5'	In Situ	<10.0	<10.0	<10.0	<10.0	<0.050	<0.050	<0.050	<0.150	<0.300	<b>704</b>



**Notes:**

1. GRO: Gasoline Range Organics
2. DRO: Diesel Range Organics
3. MRO: Motor Oil Range Organics
4. -: No NMOCD Closure Criteria established.
6. Bold indicates the COC was above the appropriate laboratory method/sample detection limit.
7. < indicates the COC was below the appropriate laboratory method/sample detection limit.
8. Bold and yellow highlighting indicates the COC was above the appropriate NMOCD Closure Criteria.

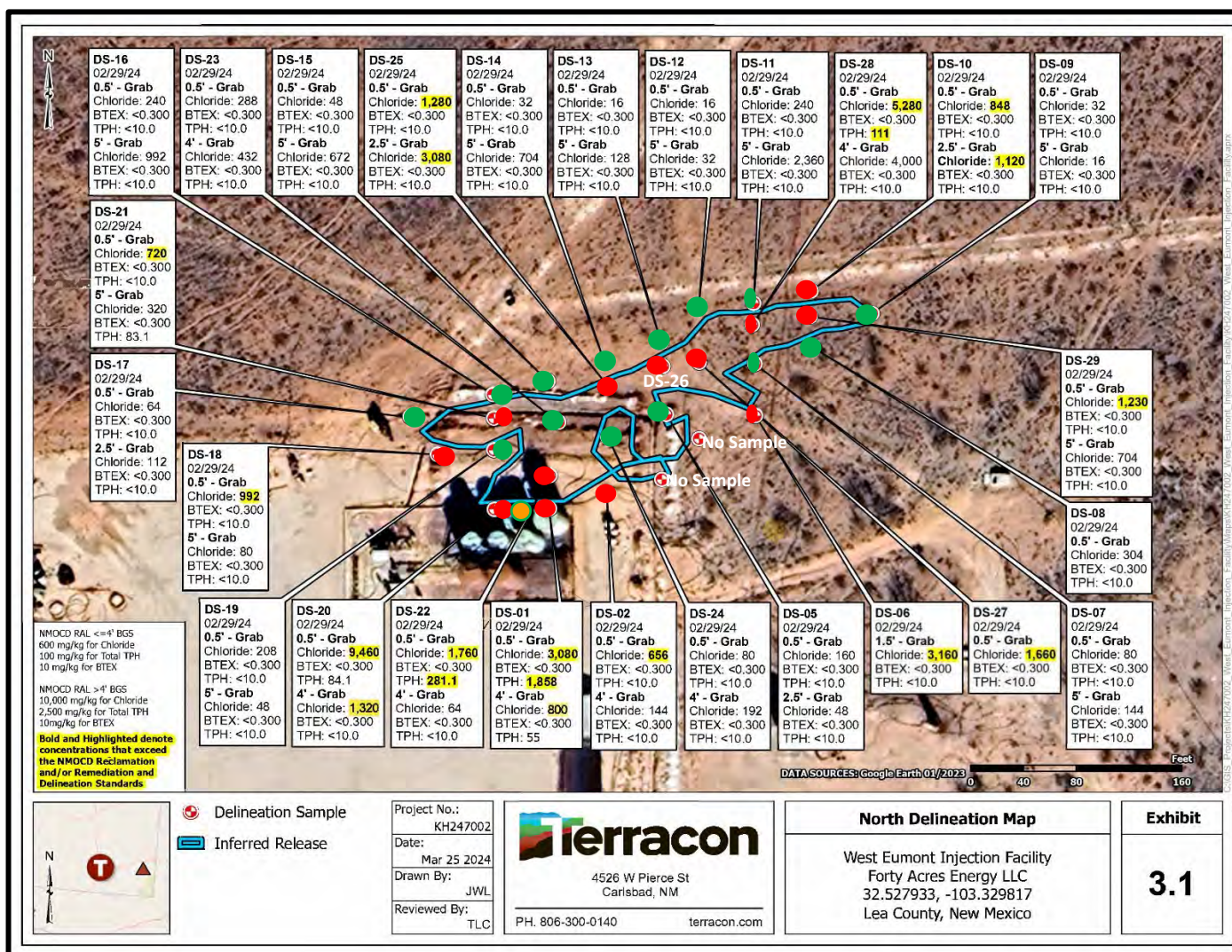


## FIGURES



<div>LEGEND:</div> <div> Site Location</div> <div>Base Map From GAIA GPS</div>	<div>Figure 1</div> <div>Site Location Map</div> <div>Forty Acres Energy, LLC</div> <div>West Eumont Unit Injection Station</div> <div>Lea County, New Mexico</div>		
		Drafted by: CC   Checked by: CC	
		Draft: July 13, 2024	
		GPS: 32.527933° -103.339817°	





## LEGEND:

- Soil Sample Location With Chloride Concentration (mg/kg). No excavation Needed.
- Soil Sample Location With Chloride Concentration (mg/kg). Additional excavation Needed.
- Release Point
- Inferred Release Boundary
- Highlighting Indicates Concentration Above the Closure Criteria

**Figure 2**  
**Soil Sample Location Map**

Forty Acres Energy, LLC  
West Eumont Unit Injection Station  
Lea County, New Mexico

Drafted by: CC | Checked by: CC

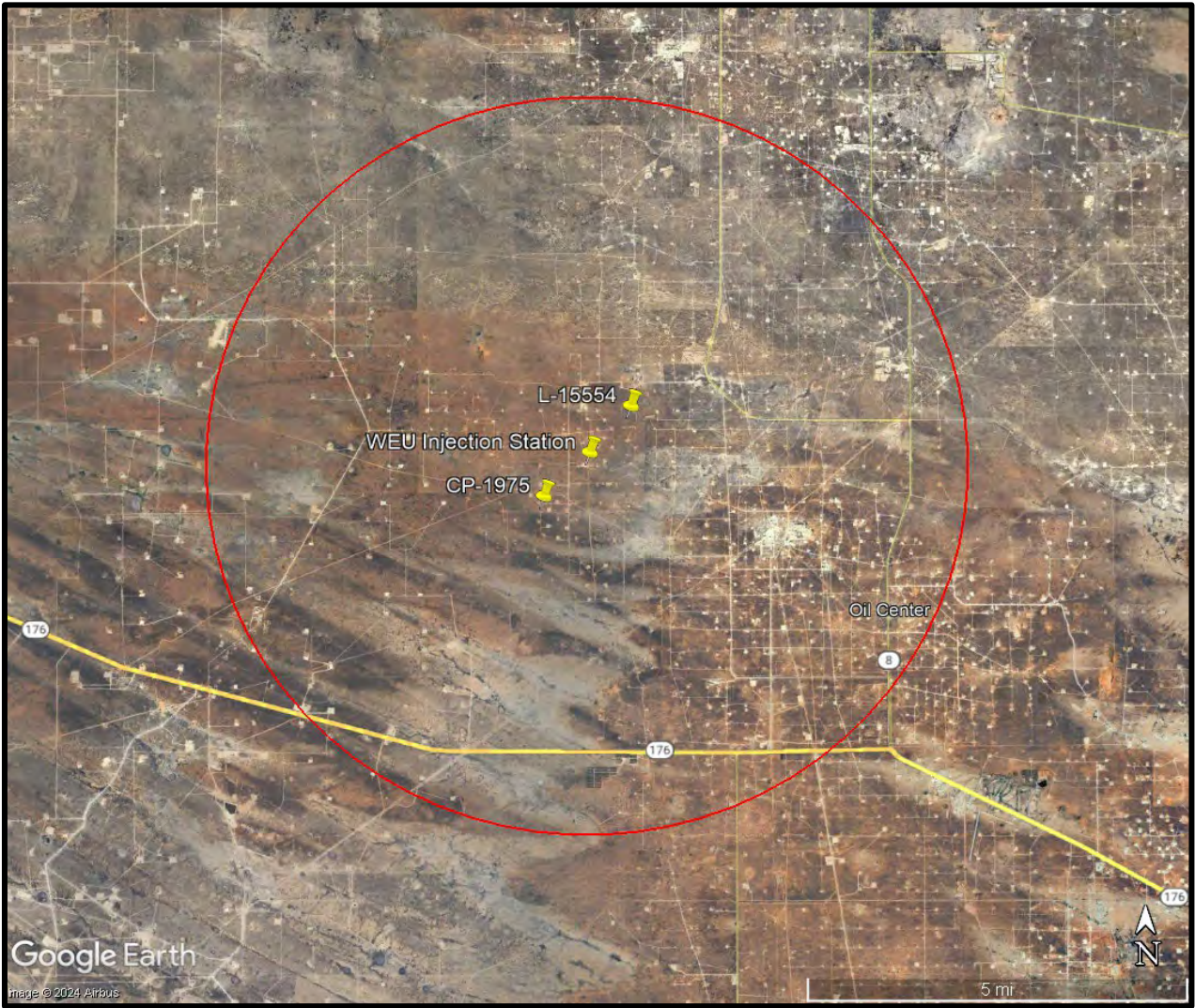
Draft: July 13, 2024



GPS: 32.527933° -103.339817°

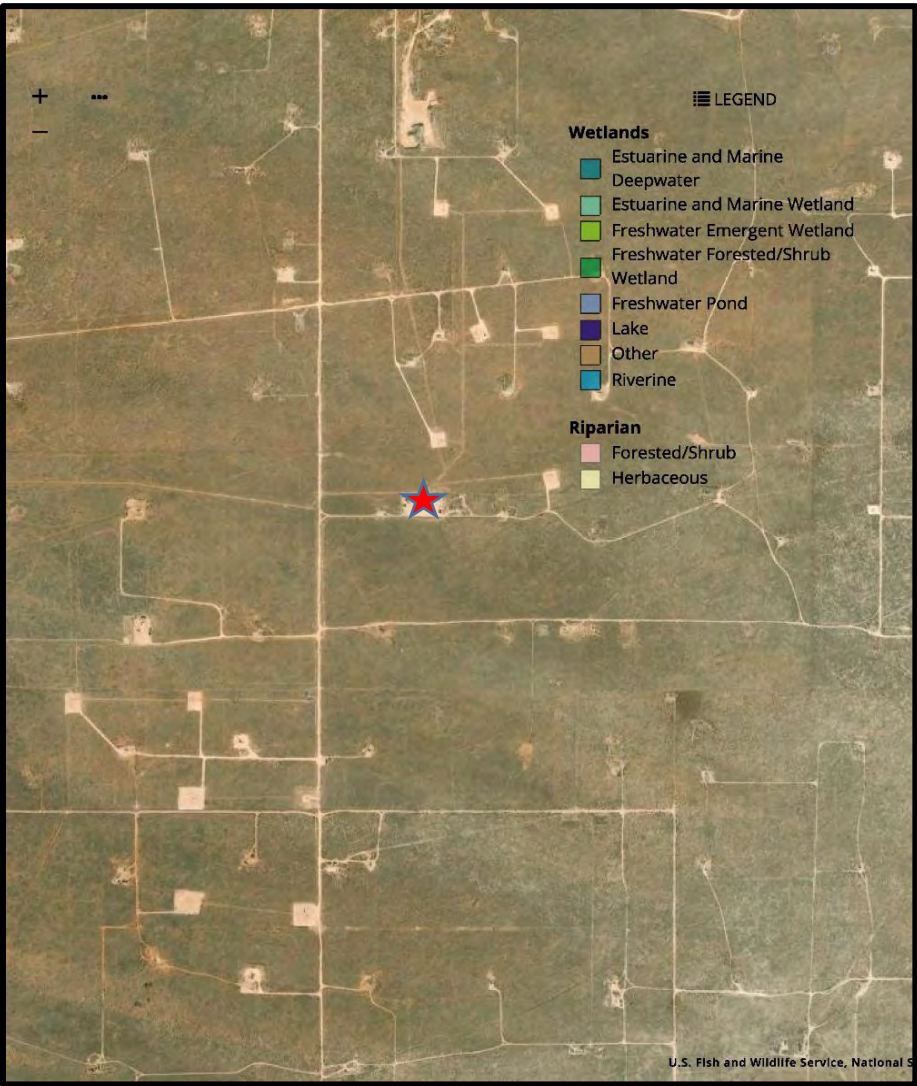
Base Map From Google Earth Pro







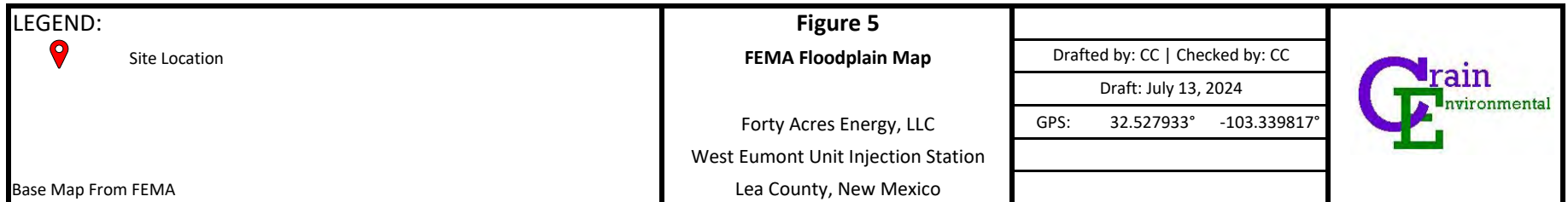


<b>LEGEND:</b>  Site and Well Location  Base Map from Google Earth Pro	<b>Figure 3</b> <b>Wellhead Protection Area Map</b>  Forty Acres Energy, LLC West Eumont Unit Injection Station Lea County, New Mexico		
		Drafted by: CC   Checked by: CC	
		Draft: July 13, 2024	
		GPS: 32.527933° -103.339817°	

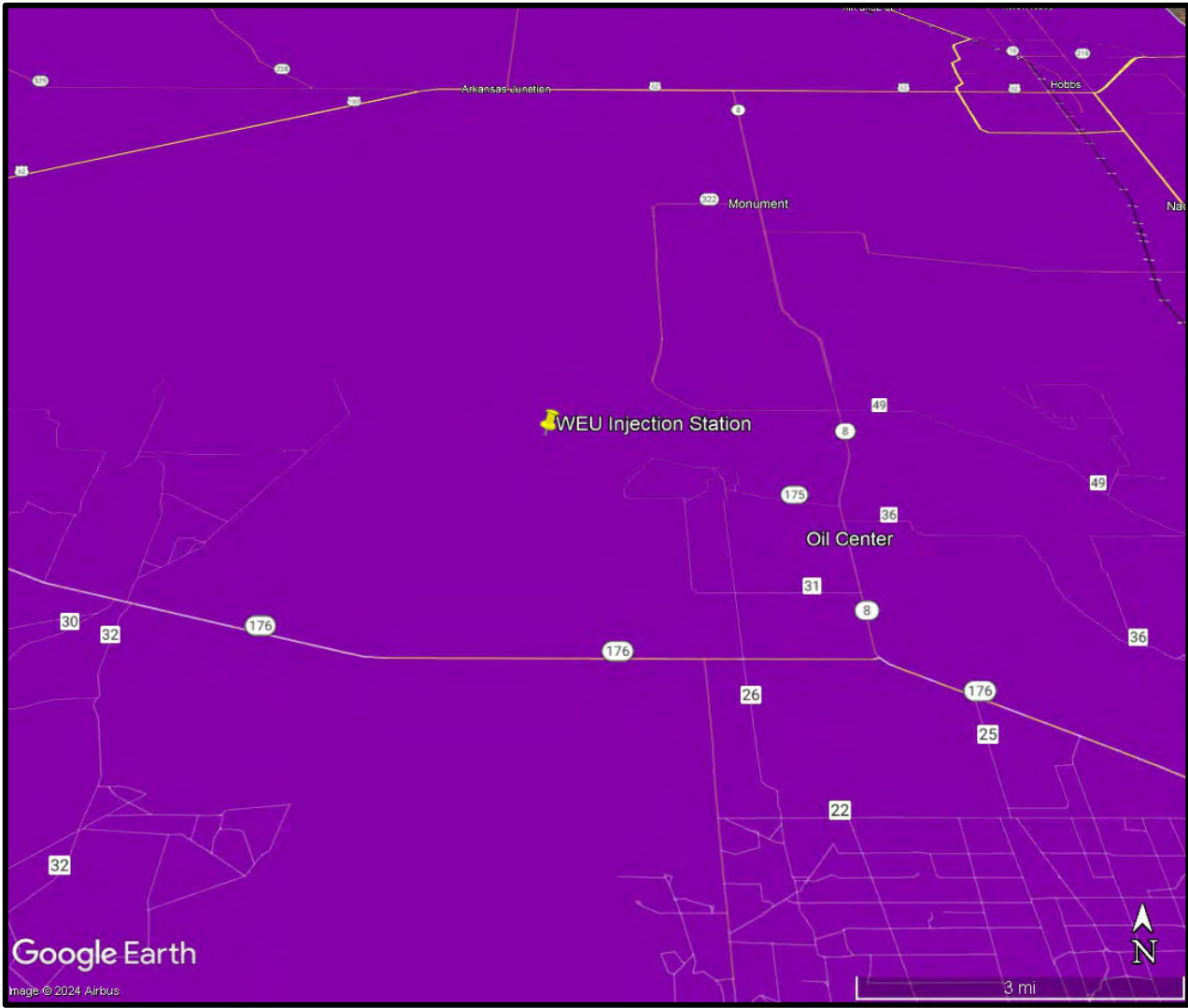



<div>LEGEND:</div> <div> Site Location</div> <div>Base Map From US Fish &amp; Wildlife Service</div>	<div>Figure 4</div> <div>National Wetlands Inventory Map</div> <div>Forty Acres Energy, LLC</div> <div>West Eumont Unit Injection Station</div> <div>Lea County, New Mexico</div>	Drafted by: CC   Checked by: CC	
		Draft: July 13, 2024	
		GPS: 32.527933° -103.339817°	









<b>LEGEND:</b> <div><div></div> Low Karst Potential</div> <div><div></div> Medium Karst Potential</div> <div><div></div> High Karst Potential</div> Base Map from Google Earth Pro	<b>Figure 6</b> <b>Karst Potential Map</b>  Forty Acres Energy, LLC West Eumont Unit Injection Station Lea County, New Mexico		
		Drafted by: CC   Checked by: CC	
		Draft: July 13, 2024	
		GPS: 32.527933° -103.339817°	



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**Appendix A: Release Notification and Corrective Action Form  
(NMOCD Form C-141)**

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	NAPP2316651719
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party	FORTY ACRES ENERGY	OGRID	371416
Contact Name	ALEX BOLANOS	Contact Telephone	832-389-3788
Contact email	ALEX@FAENERGYUS.COM	Incident # (assigned by OCD)	nAPP2316651719
Contact mailing address	11757 Katy Freeway, Suite 725   Houston, TX 77079		

Location of Release Source

Latitude32.527933Longitude-103.329817

(NAD 83 in decimal degrees to 5 decimal places)

Site Name	West Eumont Injection Facility	Site Type	Facility
Date Release Discovered	06/14/2023	API# (if applicable)	30-025-04403

Unit Letter	Section	Township	Range	County
L	35	20S	36E	LEA

Surface Owner: ☐ State ☐ Federal ☐ Tribal ☒ Private (Name: MERCHANT LIVESTOCK COMPANY)

Nature and Volume of Release

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

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 1200	Volume Recovered (bbls) 1200
	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  
EMERGENCY SHUT OFF VALVE FAILED TO CLOSE.

State of New Mexico  
Oil Conservation Division

Incident ID	NAPP2316651719
District RP	
Facility ID	
Application ID	

Was this a major release as defined by 19.15.29.7(A) NMAC?  <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release?  GREATER THAN 25 BBLS OF PRODUCED WATER.
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)? JAME MARTINEZ CALL/EMAIL MIKE BRADSHAW ON DATE 6/14/23.	

**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. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <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>ALEX BOLANOS</u>	Title: <u>PROD/REG ANALYST</u>
Signature: <u><i>Alex Bolanos</i></u>	Date: <u>8/29/23</u>
email: <u>alex@faenergyus.com</u>	Telephone: <u>832-689-3788</u>
<b><u>OCD Only</u></b>	
Received by: <u>Shelly Wells</u>	Date: <u>9/8/2023</u>

**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 258724

CONDITIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 258724
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
scwells	None	9/8/2023

**Released Volume Calculation**

Length	240 feet
Width	20 feet
Thickness	10.5 in

50,400 gal = 1,200 Est. Total Bbls Released

Volume = L\*W\*T

Total Released Volume =   50,400 gallons (US, dry)  
  1,200 Bbls

Incident ID	nAPP2316651719
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?	<u>&gt;100</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" 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 checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas <b>not</b> on an exploration, development, production, or storage site?	<input checked="" 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	nAPP2316651719
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: Cindy Crain

Title: Agent for Forty Acres Energy, LLC

Signature: 

Date: 7/13/24

email: cindy.crain@gmail.com

Telephone: (575) 441-7244

**OCD Only**

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

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



Incident ID	nAPP2316651719
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: Cindy CrainTitle: Agent for Forty Acres Energy, LLCSignature: Date: 7/13/24email: cindy.crain@gmail.comTelephone: (575) 441-7244**OCD Only**

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

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

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

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



## Appendix B: NMOCD Correspondence

**From:** Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>  
**Sent:** Wednesday, April 17, 2024 2:48 PM  
**To:** Alex Bolanos <[alex@faenergyus.com](mailto:alex@faenergyus.com)>  
**Cc:** Bratcher, Michael, EMNRD <[mike.bratcher@emnrd.nm.gov](mailto:mike.bratcher@emnrd.nm.gov)>  
**Subject:** Re: [EXTERNAL] Forty Acres Energy C-141 Extension Request

Alex,

Thanks for the correspondence.

Your 90-day time extension request is approved. Remediation Due date updated to July 16, 2024.

Please keep a copy of this communication for inclusion within the appropriate report submittal.

The OCD requires a copy of all correspondence relative to remedial activities be included in all proposals and/or final closure reports. Correspondence required to be included in reports may include, but not limited to, notifications for liner inspections, sample events, spill/release/fire, and request for time extensions or variances.

Regards,

**Nelson Velez** • Environmental Specialist - Adv

Environmental Bureau | EMNRD - Oil Conservation Division

1000 Rio Brazos Road | Aztec, NM 87410

(505) 469-6146 | [nelson.velez@emnrd.nm.gov](mailto:nelson.velez@emnrd.nm.gov)

<http://www.emnrd.state.nm.us/OCD/>

---

**From:** Alex Bolanos <[alex@faenergyus.com](mailto:alex@faenergyus.com)>  
**Sent:** Tuesday, April 16, 2024 10:55 AM  
**To:** Velez, Nelson, EMNRD <[Nelson.Velez@emnrd.nm.gov](mailto:Nelson.Velez@emnrd.nm.gov)>  
**Subject:** [EXTERNAL] Forty Acres Energy C-141 Extension Request

**CAUTION:** This email originated outside of our organization. Exercise caution prior to clicking on links or opening attachments.

Nelson,

Forty Acres Energy, requests a 90-day extension for the following releases:

1. West Eumont Unit #115 – Inc No: nAPP2316654395
  - Finished sampling last week. Waiting on remediation plan.
2. WEU 114/115 Injection (115C) – Inc No: nAPP2319562381
  - Remediation workplan complete. Starting field work.
3. WEU Central Injection Facility– Inc No: nAPP2316651719
  - Terracon currently working on this location. Characterization Sample testing.
4. WEU Lea 407– Inc No: nAPP2316652967
  - Remediation plan done and going to do work next after 114/115.

If you have any questions or need additional information on these, please let me know.

Thanks, Nelson.

Alex Bolanos

(832) 689-3788



## Appendix C: Well Records and Logs



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

[www.ose.state.nm.us](http://www.ose.state.nm.us)

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) POD-1		WELL TAG ID NO. 213A19		OSE FILE NO(S). CP-1975			
	WELL OWNER NAME(S) Clay Tom Cooper				PHONE (OPTIONAL)			
	WELL OWNER MAILING ADDRESS Box 6				CITY Monument	STATE NM	ZIP 88265	
	WELL LOCATION (FROM GPS)	DEGREES LATITUDE	MINUTES 32	SECONDS 31	09.6	* ACCURACY REQUIRED: ONE TENTH OF A SECOND * DATUM REQUIRED: WGS 84		
		LONGITUDE	103	20	24.7		N W	
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE								
2. DRILLING & CASING INFORMATION	LICENSE NO. 1839		NAME OF LICENSED DRILLER Boyd Coffey			NAME OF WELL DRILLING COMPANY Coffey Drilling		
	DRILLING STARTED 8-24-2023		DRILLING ENDED 8-24-2023		DEPTH OF COMPLETED WELL (FT) 160	BORE HOLE DEPTH (FT) 160	DEPTH WATER FIRST ENCOUNTERED (FT) NA	
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)					STATIC WATER LEVEL IN COMPLETED WELL (FT) NA		
	DRILLING FLUID: <input type="checkbox"/> AIR <input checked="" type="checkbox"/> MUD ADDITIVES - SPECIFY:							
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:							
	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)	SLOT SIZE (inches)
	FROM	TO						
	0	20	10	PVC	bell	5	sdr 21	
	20	100	8.75	PVC	bell	5	sdr 21	
	100	120	8.75	PVC	bell	5	sdr 21	0.020
120	160	8.75	PVC	bell	5	sdr 21		
3. ANNULAR MATERIAL	DEPTH (feet bgl)		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE-RANGE BY INTERVAL	AMOUNT (cubic feet)	METHOD OF PLACEMENT		
	FROM	TO						
	0	20	10	3/8 Bentonite hole plug	8	Pour		
	20	160	8.75	3/8 pea gravel	38	Pour		

FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 04/30/19)

FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2



Released to Imaging: 7/22/2024 10:12:20 AM



FILE NO.	POD NO.	TRN NO.
LOCATION	WELL TAG ID NO.	PAGE 1 OF 2



	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES <i>(attach supplemental sheets to fully describe all units)</i>	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)	
	FROM	TO					
<b>4. HYDROGEOLOGIC LOG OF WELL</b>	0	6	6	Tan Top soil	Y    ✓ N		
	6	48	42	White Caliche	Y    ✓ N		
	48	96	48	Tan Soft SandStone	Y    ✓ N		
	96	100	4	Red Clay	Y    ✓ N		
	100	105	5	Course sand and gravel	Y    ✓ N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
					Y    N		
	METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input checked="" type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER – SPECIFY: _____					TOTAL ESTIMATED WELL YIELD (gpm):                0.00	
	<b>5. TEST; RIG SUPERVISION</b>	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.				
MISCELLANEOUS INFORMATION:							
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE:						
<b>6. SIGNATURE</b>	BY SIGNING BELOW, I CERTIFY THAT TO THE BEST OF MY KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED WELL. I ALSO CERTIFY THAT THE WELL TAG, IF REQUIRED, HAS BEEN INSTALLED AND THAT THIS WELL RECORD WILL ALSO BE FILED WITH THE PERMIT HOLDER WITHIN 30 DAYS AFTER THE COMPLETION OF WELL DRILLING.						
	SIGNATURE OF DRILLER / PRINT SIGNEE NAME			DATE			

FOR USE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 04/30/2019)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO		PAGE 2 OF 2



## Appendix D: Laboratory Report and Chain-of-Custody Documentation



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

March 13, 2024

JOSEPH GUESNIER

TERRACON CONSULTANTS

5827 50TH ST. SUITE 1

LUBBOCK, TX 79424

RE: WEST EUMONT INJECTION FACILITY NORTH

Enclosed are the results of analyses for samples received by the laboratory on 03/08/24 16:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-23-16. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

Cardinal Laboratories is accredited through the State of Colorado Department of Public Health and Environment for:

Method EPA 552.2	Haloacetic Acids (HAA-5)
Method EPA 524.2	Total Trihalomethanes (TTHM)
Method EPA 524.4	Regulated VOCs (V1, V2, V3)

Accreditation applies to public drinking water matrices.

This report meets NELAP requirements and is made up of a cover page, analytical results, and a copy of the original chain-of-custody. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive style with a large, stylized 'C' and 'K'.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 01 0.5 (H241208-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99	
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75	
Ethylbenzene*	<b>0.073</b>	0.050	03/12/2024	ND	2.17	108	2.00	6.75	GC-NC1
<b>Total Xylenes*</b>	<b>0.181</b>	0.150	03/12/2024	ND	6.41	107	6.00	8.04	GC-NC1
Total BTX	<0.300	0.300	03/12/2024	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 126 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>3080</b>	16.0	03/12/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<50.0	50.0	03/12/2024	ND	209	104	200	2.08	
<b>DRO &gt;C10-C28*</b>	<b>1520</b>	50.0	03/12/2024	ND	213	107	200	1.05	
<b>EXT DRO &gt;C28-C36</b>	<b>338</b>	50.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 131 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 01 4 (H241208-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	800	16.0	03/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	55.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 02 0.5 (H241208-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	03/12/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 02 4 (H241208-06)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 05 0.5 (H241208-07)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	03/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 05 2.5 (H241208-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 99.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 06 1.5 (H241208-09)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3160	16.0	03/12/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 99.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 07 0.5 (H241208-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 07 5 (H241208-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 08 0.5 (H241208-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 09 0.5 (H241208-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	209	104	200	2.08	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	213	107	200	1.05	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 09 5 (H241208-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 10 0.5 (H241208-18)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	848	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 79.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 10 2.5 (H241208-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEx	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 11 0.5 (H241208-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/12/2024	ND	2.23	111	2.00	2.99		
Toluene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	3.75		
Ethylbenzene*	<0.050	0.050	03/12/2024	ND	2.17	108	2.00	6.75		
Total Xylenes*	<0.150	0.150	03/12/2024	ND	6.41	107	6.00	8.04		
Total BTEX	<0.300	0.300	03/12/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 11 5 (H241208-22)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.0 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 12 0.5 (H241208-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 81.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.6 % 49.1-148

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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 12 5 (H241208-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.6 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 13 0.5 (H241208-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 13 5 (H241208-28)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 14 0.5 (H241208-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 14 5 (H241208-31)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 15 0.5 (H241208-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 15 5 (H241208-34)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	672	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 16 0.5 (H241208-35)**

mg/kg			Analyzed By: JH							
BTEX 8021B	Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
	Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43	
	Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29	
	Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58	
	Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71	
	Total BTEX	<0.300	0.300	03/13/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51		
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66		
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND						

Surrogate: 1-Chlorooctane 93.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 16 5 (H241208-37)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 17 0.5 (H241208-38)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/12/2024	ND	448	112	400	3.51		

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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 83.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 17 2.5 (H241208-39)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 18 0.5 (H241208-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	992	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 18 5 (H241208-42)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 92.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 19 0.5 (H241208-43)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	219	110	200	1.51	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	229	114	200	1.66	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 76.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 19 5 (H241208-45)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	03/08/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 20 0.5 (H241208-46)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	9460	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	84.1	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 20 4 (H241208-48)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1320	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 86.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 21 0.5 (H241208-49)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.12	106	2.00	5.43		
Toluene*	<0.050	0.050	03/13/2024	ND	2.08	104	2.00	5.29		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.05	102	2.00	5.58		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	5.96	99.3	6.00	5.71		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 21 5 (H241208-51)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	83.1	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 22 0.5 (H241208-52)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1760	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	254	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	26.1	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 22 4 (H241208-54)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 91.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 23 0.5 (H241208-55)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 23 4 (H241208-57)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	432	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 24 0.5 (H241208-58)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 82.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 24 4 (H241208-60)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 58.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.8 % 49.1-148

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

**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 25 0.5 (H241208-61)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1280	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 76.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 26 2.5 (H241208-62)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3080	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 27 0.5 (H241208-63)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 102 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1660	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 28 0.5 (H241208-65)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5280	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	111	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 28 4 (H241208-67)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTEx	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4000	16.0	03/13/2024	ND	464	116	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	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 84.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 29 0.5 (H241208-68)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	03/13/2024	ND	448	112	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 66.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

TERRACON CONSULTANTS  
 JOSEPH GUESNIER  
 5827 50TH ST. SUITE 1  
 LUBBOCK TX, 79424  
 Fax To:

Received:	03/08/2024	Sampling Date:	02/29/2024
Reported:	03/13/2024	Sampling Type:	Soil
Project Name:	WEST EUMONT INJECTION FACILITY NC	Sampling Condition:	Cool & Intact
Project Number:	KH247002	Sample Received By:	Tamara Oldaker
Project Location:	FAE II OPERATING - LEA CO NM		

**Sample ID: DS 29 5 (H241208-70)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/13/2024	ND	2.10	105	2.00	5.76		
Toluene*	<0.050	0.050	03/13/2024	ND	2.09	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	03/13/2024	ND	2.02	101	2.00	5.19		
Total Xylenes*	<0.150	0.150	03/13/2024	ND	6.16	103	6.00	4.34		
Total BTEX	<0.300	0.300	03/13/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	03/13/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/12/2024	ND	224	112	200	1.89	
DRO >C10-C28*	<10.0	10.0	03/12/2024	ND	200	100	200	2.23	
EXT DRO >C28-C36	<10.0	10.0	03/12/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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### Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager





101 East Marland, Hobbs, NM 88240  
(575) 393-2326 FAX (575) 393-2476

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 1

<b>Company Name:</b> Terracon				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
<b>Project Manager:</b> Joseph Guesnier				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-between;"> <div>Chloride (EPA Method 4500)</div> <div>TPH Extended 8015</div> <div>BTEX (EPA Method 8021B)</div> <div>Hold</div> </div>															
<b>Address:</b> 4518 W. Pierce Street				<b>Company:</b> FAE II Operating LLC																			
<b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220				<b>Attn:</b> Alex Bolanos																			
<b>Phone #:</b> 8065077057 <b>Fax #:</b>				<b>Address:</b> 11757 Katy Fwy Suite 725																			
<b>Project #:</b> KH247002 <b>Project Owner:</b>				<b>City:</b> Houston																			
<b>Project Name:</b> West <del>Mountain</del> Eument Injection Facility North				<b>State:</b> TX <b>Zip:</b> 77079																			
<b>Project Location:</b> Lea				<b>Phone #:</b>																			
<b>Sampler Name:</b> Gus Sanchez				<b>Fax #:</b>																			
<b>FOR LAB USE ONLY</b>																							
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>MATRIX</b>				<b>PRESERV.</b>		<b>SAMPLING</b>													
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME									
H241208																							
1	DS 01 0.5	G	1			✓					✓		2-24-24	11:05	✓	✓	✓						
2	DS 01 2.5													11:09				✓					
3	DS 01 4													11:17	✓	✓	✓						
4	DS 02 <del>4</del> 0.5													11:20	✓	✓	✓						
5	DS 02 2.5													11:24				✓					
6	DS 02 4													11:28	✓	✓	✓						
	DS 03																						
	DS 03																						
	DS 04																						

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<b>Relinquished By:</b> <i>St L</i>	<b>Date:</b> 3-8-24 <b>Time:</b> 1648	<b>Received By:</b> <i>Becky Sue Miller</i>	<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>
<b>Relinquished By:</b>	<b>Date:</b>	<b>Received By:</b>	<b>All Results are emailed. Please provide Email address:</b>
<b>Delivered By: (Circle One)</b>	<b>Observed Temp. °C</b> 3.3	<b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	<b>REMARKS:</b> Gus.Sanchez@Terracon.com; Travis.Casey@Terracon.com; Joseph.Guesnier@Terracon.com; BeckySue.Miller@Terracon.com;
<b>Sampler - UPS - Bus - Other:</b>	<b>Corrected Temp. °C</b>	<b>CHECKED BY:</b> (Initials) <i>go.</i>	<b>Turnaround Time:</b> Standard <input checked="" type="checkbox"/> Rush <input checked="" type="checkbox"/> <b>Bacteria (only)</b> <input checked="" type="checkbox"/> <b>Sample Condition</b> Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <b>Observed Temp. °C</b>
			<b>Thermometer ID</b> #143 <b>Correction Factor</b> -0.5°C <b>#140 408</b> <b>Yes</b> <input checked="" type="checkbox"/> <b>No</b> <input checked="" type="checkbox"/> <b>Corrected Temp. °C</b>





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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 2

Company Name: Terracon				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: Joseph Guesnier				P.O. #:				<div style="display: flex; justify-content: space-between;"> <div>Chloride (EPA Method 4500)</div> <div>TPH Extended 8015</div> <div>BTEX (EPA Method 8021B)</div> <div>Holl</div> </div>																					
Address: 4518 W. Pierce Street				Company: FAE II Operating LLC																									
City: Carlsbad State: NM Zip: 88220				Attn: Alex Bolanos																									
Phone #: 8065077057 Fax #:				Address: 11757 Katy Fwy Suite 725																									
Project #: KH247002 Project Owner:				City: Houston																									
Project Name: WEU Injection Facility North				State: TX Zip: 77079																									
Project Location: Lea				Phone #:																									
Sampler Name: Gus Sanchez				Fax #:																									
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING															
								GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME															
H241208												✓																	
		DS 04																											
		DS 04																											
7		DS 05 0.5		G 1				✓						2-24-24 11:31		✓ ✓ ✓													
8		DS 05 2.5		G 1				✓						2-24-24 11:36		✓ ✓ ✓													
		DS 05																											
9		DS 06 1.5		G 1				✓						2-24-24 11:41		✓ ✓ ✓													
		DS 06																											
		DS 06																											
10		DS 07 0.5 *												2-24-24 11:50		✓ ✓ ✓													
11		DS 07 2.5												2-24-24 11:52		✓													
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																													
Relinquished By: [Signature]				Date: 3-8-24				Received By: [Signature]				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:				All Results are emailed. Please provide Email address:													
Relinquished By:				Time: 1648				Received By:				REMARKS: * matched Times off jars for 30 Depths. 9.0																	
Delivered By: (Circle One)				Observed Temp. °C 33				Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				CHECKED BY: (Initials) [Signature]				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Thermometer ID #113 #140 4 DAY Correction Factor .05°C									
Sampler - UPS - Bus - Other:				Corrected Temp. °C																Corrected Temp. °C									





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 3

<b>Company Name:</b> Terracon				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																							
<b>Project Manager:</b> Joseph Guesnier				<b>P.O. #:</b>				<div style="display: flex; justify-content: space-between;"> <div>Chloride (EPA Method 4500)</div> <div>TPH Extended 8015</div> <div>BTEX (EPA Method 8021B)</div> <div>Hold</div> </div>																							
<b>Address:</b> 4518 W. Pierce Street				<b>Company:</b> FAE II Operating LLC																											
<b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220				<b>Attn:</b> Alex Bolanos																											
<b>Phone #:</b> 8065077057 <b>Fax #:</b>				<b>Address:</b> 11757 Katy Fwy Suite 725																											
<b>Project #:</b> KH247002 <b>Project Owner:</b>				<b>City:</b> Houston																											
<b>Project Name:</b> WEU Injection Facility North				<b>State:</b> TX <b>Zip:</b> 77079																											
<b>Project Location:</b> Lea				<b>Phone #:</b>																											
<b>Sampler Name:</b> Gus Sanchez				<b>Fax #:</b>																											
<b>FOR LAB USE ONLY</b>				<b>MATRIX</b>		<b>PRESERV.</b>		<b>SAMPLING</b>																							
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>(G)RAB OR (C)OMP.</b>	<b># CONTAINERS</b>	<b>GROUNDWATER</b>	<b>WASTEWATER</b>	<b>SOIL</b>	<b>OIL</b>	<b>SLUDGE</b>	<b>OTHER :</b>	<b>ACID/BASE:</b>	<b>ICE / COOL</b>	<b>OTHER :</b>	<b>DATE</b>	<b>TIME</b>																	
H241208																															
12	DS07	5	G	1		✓				✓	✓		2-29-24	11:54	✓	✓	✓														
13	DS08	0.5	G	1		✓				✓			11:58		✓	✓	✓														
14	DS08	2.5	G	1		✓				✓			12:01					✓													
15	DS09	0.5	G	1		✓				✓			2-24-24	12:05	✓	✓	✓														
16	DS09	2.5	G	1		✓				✓			2-24-24	12:07				✓													
17	DS09	5	G	1		✓				✓			2-29-24	12:09	✓	✓	✓														
18	DS10	0.5	G	1		✓				✓			2-24-24	12:14	✓	✓	✓														
19	DS10	2.5	G	1		✓				✓			2-24-24	12:16	✓	✓	✓														

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<b>Relinquished By:</b>		<b>Date:</b> 3-8-24	<b>Received By:</b>		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b>	
		<b>Time:</b> 1648			<b>All Results are emailed. Please provide Email address:</b>	
<b>Relinquished By:</b>		<b>Date:</b>	<b>Received By:</b>		<b>REMARKS:</b>	
		<b>Time:</b>			Gus.Sanchez@Terracon.com; Travis.Casey@Terracon.com; Joseph.Guesnier@Terracon.com; BeckySue.Miller@Terracon;	
<b>Delivered By: (Circle One)</b>		<b>Observed Temp. °C</b> 33	<b>Sample Condition</b>		<b>Turnaround Time:</b> Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	
<b>Sampler - UPS - Bus - Other:</b>		<b>Corrected Temp. °C</b>	<input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Corrected Temp. °C	
			<b>CHECKED BY:</b> (Initials)		<b>Thermometer ID</b> #143 <b>Correction Factor</b> 0.5°C	
					<b>#140 4 days</b>	

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 4

[illegible]





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## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 5

Company Name: Terracon				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: Joseph Guesnier				P.O. #:																			
Address: 4518 W. Pierce Street				Company: FAE II Operating LLC																			
City: Carlsbad		State: NM Zip: 88220		Attn: Alex Bolanos																			
Phone #: 8065077057		Fax #:		Address: 11757 Katy Fwy Suite 725																			
Project #: KH247002		Project Owner:		City: Houston																			
Project Name: WEU Injection Facility North				State: TX Zip: 77079																			
Project Location: Lea				Phone #:																			
Sampler Name: Gus Sanchez				Fax #:																			
FOR LAB USE ONLY																							
Lab I.D.		Sample I.D.		GIRAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING		Chloride (EPA Method 4500) TPH Extended 8015 BTEX (EPA Method 8021B) Hold											
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME													
H241308				1						2-29-24 12:54													
30 DS 14 2.5										12:55													
31 DS 14 5										1:00													
32 DS 15 0.5										1:02													
33 DS 15 2.5										1:03													
34 DS 15 5										1:07													
35 DS 16 0										1:08													
36 DS 16 2.5										1:09													
37 DS 16 5										1:14													
38 DS 17 0.5										1:16													
39 DS 17 2.5																							
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Relinquished By: LA S				Date: 3-8-24		Received By: [Signature]				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:													
				Time: 1648						All Results are emailed. Please provide Email address:													
Relinquished By:				Date:		Received By:				REMARKS:													
				Time:						Gus.Sanchez@Terracon.com; Travis.Casey@Terracon.com; Joseph.Guesnier@Terracon.com; BeckySue.Miller@Terracon;													
Delivered By: (Circle One)				Observed Temp. °C 33		Sample Condition Cool Intact		CHECKED BY: (Initials)		Turnaround Time: Standard <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition Cool Intact Observed Temp. °C													
Sampler - UPS - Bus - Other:				Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No		[Signature]		Thermometer ID #113-0.5°C #140 4 DRS <input checked="" type="checkbox"/> Bacteria (only) <input type="checkbox"/> Sample Condition Cool Intact Observed Temp. °C													
										Correction Factor 0.5°C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C													





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 6

Company Name: Terracon				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>													
Project Manager: Joseph Guesnier				P.O. #:																	
Address: 4518 W. Pierce Street				Company: FAE II Operating LLC																	
City: Carlsbad		State: NM Zip: 88220		Attn: Alex Bolanos																	
Phone #: 8065077057		Fax #:		Address: 11757 Katy Fwy Suite 725																	
Project #: KH247002		Project Owner:		City: Houston																	
Project Name: WEU Injection Facility North				State: TX Zip: 77079																	
Project Location:				Phone #:																	
Sampler Name:				Fax #:																	
FOR LAB USE ONLY																					
Lab I.D.		Sample I.D.		GRAB OR (COMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING											
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME		Chloride (EPA Method 4500) TPH Extended 8015 BTEX (EPA Method 8021B) Hold									
H241208				G						3-8-24 12:11		✓ ✓ ✓									
40 DS 18 0.5										2-24-24 1:28		✓ ✓ ✓ NO Sample									
41 DS 18 2.5										2-24-24 1:29		✓ ✓ ✓									
42 DS 18 5										2-24-24 1:35		✓ ✓ ✓									
43 DS 19 0.5										3-8-24 12:32		✓ ✓ ✓									
44 DS 19 2.5										2-24-24 1:36		✓ ✓ ✓									
45 DS 19 5										3-8-24 12:40		✓ ✓ ✓									
46 DS 20 0.5										2-24-24 1:42		✓ ✓ ✓ NO Sample									
47 DS 20 2.5										2-24-24 1:43		✓ ✓ ✓									
48 DS 20 4										2-24-24 3:00		✓ ✓ ✓									
49 DS 21 0.5																					

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Relinquished By: <i>JA</i>		Date: 3-8-24		Received By: <i>Guerra</i>		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #:	
Time: 1648						All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: * Customer requested sample removal. Gus.Sanchez@Terracon.com; Travis.Casey@Terracon.com; Joseph.Guesnier@Terracon.com; BeckySue.Miller@Terracon.com; 40. 3/11/24	
Time:							
Delivered By: (Circle One)		Observed Temp. °C 33		Sample Condition		CHECKED BY: (Initials) <i>Y.O.</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) Sample Condition	
						Cool Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
						Thermometer ID #113 Correction Factor -0.5°C #140 4 Day	
						Observed Temp. °C Corrected Temp. °C	

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Pg 7

Company Name: Terracon						<b>BILL TO</b>								<b>ANALYSIS REQUEST</b>										
Project Manager: Joseph Guesnier						P.O. #:																		
Address: 4518 W. Pierce Street						Company: FAE II Operating LLC																		
City: Carlsbad			State: NM Zip: 88220			Attn: Alex Bolanos																		
Phone #: 8065077057			Fax #:			Address: 11757 Katy Fwy Suite 725																		
Project #: KH247002			Project Owner:			City: Houston																		
Project Name: WEU Injection Facility North						State: TX Zip: 77079																		
Project Location: Lea						Phone #:																		
Sampler Name: Gus Sanchez						Fax #:																		
FOR LAB USE ONLY						MATRIX		PRESERV.	SAMPLING		Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)	Hold										
Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	TIME																
H241208	50	DS 21 2.5	G	1				✓	3-8-24	12:51				✓										
	51	DS 21 5							2-29-24	3:00	✓	✓	✓											
	52	DS 22 0.5								10:53	✓	✓	✓											
	53	DS 22 2.5								11:00				✓										
	54	DS 22 4								11:02	✓	✓	✓											
	55	DS 23 0.5								3:17	✓	✓	✓											
	56	DS 23 2.5								3:17				✓										
	57	DS 23 4								3:17	✓	✓	✓											
	58	DS 24 0.5								3:22	✓	✓	✓											
	59	DS 24 2.5								3:22				✓	No Sample	*								

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Relinquished By: <i>LT SL</i>		Date: <i>3-8-24</i>		Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: <i>1648</i>				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS: <i>#Customer requested Sample return</i>	
		Time:				Gus.Sanchez@Terracon.com; Travis.Casey@Terracon.com; Joseph.Guesnier@Terracon.com; BeckySue.Miller@Terracon.com;	
Delivered By: (Circle One)		Observed Temp. °C <i>3.3</i>		Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		CHECKED BY: (Initials) <i>[Signature]</i>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Thermometer ID <i>#113</i> <b>#140</b> <i>4 Day</i> Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/> Observed Temp. °C Correction Factor <i>-0.5°C</i> <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 8

Company Name: <u>Terracon</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>							
Project Manager: <u>Joseph Guegnier</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chloride (EPA Method 4500)</div> <div>TPH Extended 8015</div> <div>BTEX (EPA Method 8021B)</div> <div>Hold</div> </div>							
Address: <u>4518 W. Pierce</u>				Company: <u>FAEII opening LLC</u>											
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn: <u>Alex Bolsanos</u>											
Phone #: <u>806 507 7057</u> Fax #:				Address: <u>11757 Katy FWY Suite 728</u>											
Project #: <u>KH247002</u> Project Owner:				City: <u>Houston</u>											
Project Name: <u>WCU Injection Facility North</u>				State: <u>TX</u> Zip: <u>77079</u>											
Project Location: <u>Lea</u>				Phone #:											
Sampler Name: <u>Gus Sanchez</u>				Fax #:											

FOR LAB USE ONLY		Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	Chloride (EPA Method 4500)	TPH Extended 8015	BTEX (EPA Method 8021B)	Hold
GROUNDWATER	WASTEWATER					SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER									
		<u>H241208</u>																			
		<u>60</u>	<u>DS 24</u>	<u>4</u>	<u>G 1</u>																
		<u>61</u>	<u>DS 25</u>	<u>0.5</u>	<u>G 1</u>																
			<del>DS 25</del>																		
			<del>DS 26</del>																		
		<u>62</u>	<u>DS 26</u>	<u>0.5</u>	<u>G 1</u>																
		<u>63</u>	<u>DS 26</u>	<u>2.5</u>	<u>G 1</u>																
		<u>64</u>	<u>DS 27</u>	<u>0.5</u>	<u>G 1</u>																
		<u>64</u>	<u>DS 27</u>	<u>2.5</u>	<u>G 1</u>																
			<del>DS 27</del>																		
		<u>45</u>	<u>DS 28</u>	<u>0.5</u>	<u>G 1</u>																

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Relinquished By: <u>[Signature]</u>	Date: <u>3-8-24</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <u>1048</u>			All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS: <u>* Customer requested sample removal.</u>
Time:			
Delivered By: (Circle One)	Observed Temp. °C <u>33</u>	Sample Condition <u>Intact</u>	Turnaround Time: <u>4 Day</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) <u>[Signature]</u>	Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>
			Bacteria (only) Sample Condition
			Cool Intact Observed Temp. °C
			<input type="checkbox"/> Yes <input type="checkbox"/> Yes
			<input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C

† Cardinal cannot accept verbal changes. Please email changes to celey.keene@cardinallabsnm.com





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

pg 9

Company Name: <u>Tepracon</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																				
Project Manager: <u>Joseph Gvesnic</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div>Chloride (EPA Method 4500)</div> <div>TPH Extended 8015</div> <div>BTEX (EPA Method 8021B)</div> <div>Hold</div> </div>																				
Address: <u>4518 W. Pierce St.</u>				Company: <u>FAEN Operating LLC</u>																								
City: <u>Carlsbad</u> State: <u>NM</u> Zip:				Attn: <u>Alex Bolsanos</u>																								
Phone #: <u>806 507 7057</u> Fax #:				Address: <u>11757 Katy Freeway 728</u>																								
Project #: <u>KH247002</u> Project Owner:				City: <u>Houston</u>																								
Project Name: <u>WEU Injection Facility North</u>				State: <u>TX</u> Zip: <u>77079</u>																								
Project Location: <u>Lea</u>				Phone #:																								
Sampler Name: <u>Gus Sanchez</u>				Fax #:																								
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																				
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME														
<u>H241208</u>																												
<u>66</u>	<u>DS 28 2.5</u>	<u>G</u>	<u>1</u>			<u>✓</u>					<u>✓</u>		<u>2-29-24</u>	<u>7:45</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>										
<u>67</u>	<u>DS 28 4</u>													<u>7:45</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>											
<u>68</u>	<u>DS 29 0.5</u>													<u>7:47</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>											
<u>69</u>	<u>DS 29 2.5</u>													<u>7:47</u>				<u>✓</u>										
<u>70</u>	<u>DS 29 5</u>													<u>7:47</u>	<u>✓</u>	<u>✓</u>	<u>✓</u>											

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Relinquished By: <u>GA</u>	Date: <u>3-8-24</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <u>1648</u>	Time:		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Time:			
Delivered By: (Circle One)	Observed Temp. °C <u>3.3</u>	Sample Condition	Turnaround Time: <u>4 Day</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input type="checkbox"/> Cool <input type="checkbox"/> Intact <input type="checkbox"/> <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
FORM-006 R 3-4 07/11/25		CHECKED BY: (Initials) <u>JE</u>	Thermometer ID #140 Correction Factor 0°C

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## Appendix E: Photographic Documentation



APPENDIX E  
PHOTOGRAPHIC DOCUMENTATION  
WEST EUMONT UNIT INJECTION STATION



View of release area (6/14/23).



View of release area (6/14/23).



View of release area (6/14/23).



View of release area (6/14/23).



View of release area (6/14/23).

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State of New Mexico  
Energy, Minerals and Natural Resources  
Oil Conservation Division  
1220 S. St Francis Dr.  
Santa Fe, NM 87505

QUESTIONS  
  
Action 363750

QUESTIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID:
	371416
	Action Number:
	363750
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2316651719
Incident Name	NAPP2316651719 WEST EUMONT UNIT INJECTION STATION @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	WEST EUMONT UNIT INJECTION STATION
Date Release Discovered	06/14/2023
Surface Owner	Private

Incident Details	
Please answer all the questions in this group.	
Incident Type	Produced Water Release
Did this release result in a fire or is the result of a fire	No
Did this release result in any injuries	No
Has this release reached or does it have a reasonable probability of reaching a watercourse	No
Has this release endangered or does it have a reasonable probability of endangering public health	No
Has this release substantially damaged or will it substantially damage property or the environment	No
Is this release of a volume that is or may with reasonable probability be detrimental to fresh water	Yes

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Dump Valve   Produced Water   Released: 1,200 BBL   Recovered: 1,200 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 363750

**QUESTIONS (continued)**

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID:
	371416
	Action Number:
	363750
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (4) a release of a volume that may with reasonable probability be detrimental to fresh water.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	Not answered.

Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.

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

I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 07/13/2024
--	---

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**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 363750

**QUESTIONS (continued)**

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID:
	371416
	Action Number:
	363750
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	Attached Document
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride	(EPA 300.0 or SM4500 Cl B)	9460
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1858
GRO+DRO	(EPA SW-846 Method 8015M)	1520
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	09/16/2024
On what date will (or did) the final sampling or liner inspection occur	10/31/2024
On what date will (or was) the remediation complete(d)	11/29/2024
What is the estimated surface area (in square feet) that will be reclaimed	4800
What is the estimated volume (in cubic yards) that will be reclaimed	360
What is the estimated surface area (in square feet) that will be remediated	4800
What is the estimated volume (in cubic yards) that will be remediated	360

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.



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QUESTIONS, Page 4

Action 363750

**QUESTIONS (continued)**

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID:	371416
	Action Number:	363750
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	MONUMENT SITE #15 (TNM-94-58) [FAB0000000056]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Cindy Crain Email: cindy.crain@gmail.com Date: 07/13/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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QUESTIONS, Page 5  
  
Action 363750

QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363750
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6  
  
Action 363750

QUESTIONS (continued)

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363750
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	{Unavailable.}

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS  
  
Action 363750

CONDITIONS

Operator: FORTY ACRES ENERGY, LLC 11757 KATY FWY HOUSTON, TX 77079173	OGRID: 371416
	Action Number: 363750
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
nvelez	The remediation plan is approved as written. FAE has 90-days (October 21, 2024) to submit to OCD its appropriate or final remediation closure report.	7/22/2024