

Incident ID	nAPP2212962315
District RP	
Facility ID	
Application ID	

## Closure

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

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

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

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

Printed Name: Connor WalkerTitle: Sr. EngineerSignature: Date: 1/30/2023email: cwalker@mewbourne.comTelephone: (806)202-5281

### OCD Only

Received by: Robert HamletDate: 5/26/2023

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

Closure Approved by: Robert HamletDate: 5/26/2023Printed Name: Robert HamletTitle: Environmental Specialist - Advanced

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Printed Name: Connor Walker Title: Sr. Engineer

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

email: cwalker@mewbourne.com Telephone: (806)202-5281

**OCD Only**

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

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

Closure Approved by: \_\_\_\_\_ Date: \_\_\_\_\_

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



## Remediation Summary & Soil Closure Request

### Mewbourne Oil Company Parkway 26 SWD Line

Eddy County, New Mexico  
Unit Letter "O", Section 26, Township 19 South, Range 29 East  
Latitude 32.62542960 North, Longitude 104.0429143 West  
NMOCD Reference No. nAPP2212962315

Prepared By:

**Etech Environmental & Safety Solutions, Inc.**  
2507 79th Street, Unit A  
Lubbock, Texas 79423

  
\_\_\_\_\_  
Ben J. Arguijo  
\_\_\_\_\_  
Lance Crenshaw

Midland • San Antonio • Lubbock • Hobbs • Lafayette

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## 1.0 PROJECT INFORMATION

Etech Environmental & Safety Solutions, Inc. (Etech), on behalf of Mewbourne Oil Company, has prepared this *Remediation Summary & Soil Closure Request* for the release site known as the Parkway 26 SWD Line. Details of the release are summarized below:

<b>Location of Release Source</b>				
Latitude:	32.62542960	Longitude:	-104.0429143	
Provided GPS are in WGS84 format.				
Site Name:	Parkway 26 SWD Line	Site Type:	Pipeline	
Date Release Discovered:	4/25/2022	API # (if applicable):	N/A	

Unit Letter	Section	Township	Range	County
"O"	26	19S	29E	Eddy

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

### Nature and Volume of Release

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls)                  17	Volume Recovered (bbls)                  0
	Is the concentration of total dissolved solids (TDS) in the produced water > 10,000 mg/L?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A
<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	Volume/Weight Recovered

Cause of Release:  
 A 4" poly SWD line developed a leak.

### Initial Response

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

Previously submitted portions of the NMOCD Form C-141 are available in the NMOCD Imaging System.

## 2.0 SITE CHARACTERIZATION

A search of groundwater databases maintained by the New Mexico Office of the State Engineer (NMOSE) and United States Geological Survey (USGS) was conducted in an effort to determine the horizontal distance to known water sources within a half-mile radius of the Parkway 26 SWD Line release site. Probable groundwater depth was determined using data generated by numeric models based on available water well data and published information. Depth to groundwater information is provided as Appendix A.

What is the shallowest depth to groundwater beneath the area affected by the release?	80'	
Did the 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 any 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 the 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 checked="" type="checkbox"/> Yes	<input 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 not on an exploration, development, production or storage site?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

NMOCD Siting Criteria data was gathered from available resources including Bureau of Land Management (BLM) and Fish & Wildlife Services (FWS) geographic information system (GIS) data, topographic maps, NMOSE and USGS databases, and aerial imagery. The results are depicted in Figures 1, 2, 4, and 5.

## 3.0 CLOSURE CRITERIA FOR SOILS IMPACTED BY A RELEASE

Based on the volume and nature of the release, inferred depth to groundwater, and NMOCD Siting Criteria, the NMOCD Closure Criteria and NMOCD Reclamation Standards for the Parkway 26 SWD Line release site are as follows:

Probable Depth to Groundwater	Constituent	Laboratory Analytical Method	Closure Criteria*†	Reclamation Standard*‡
80'	Chloride (Cl-)	EPA 300.0 or SM4500 Cl B	600	600
	Total Petroleum Hydrocarbons (TPH)	EPA SW-846 Method 8015M Ext	100	100
	Gas Range Organics + Diesel Range Organics (GRO + DRO)	EPA SW-846 Method 8015M	N/A	N/A
	Benzene	EPA SW-846 Methods 8021b or 8260b	10	10
	Benzene, Toluene, Ethylbenzene, Total Xylenes (BTEX)	EPA SW-846 Methods 8021b or 8260b	50	50

\* Measured in milligrams per kilogram (mg/kg)

† Table I, Section 19.15.29.12 of the New Mexico Administrative Code (NMAC).

‡ The NMOCD Reclamation Standard applies only to the top 4' of soil in non-production areas. Section 19.15.29.13 D.(1) NMAC.

## 4.0 REMEDIATION ACTIVITIES SUMMARY

On July 25, 2022, remediation activities commenced at the release site. In accordance with NMOCD regulatory guidelines, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a Hach Quantab® chloride test kit were utilized to field-screen the horizontal extent of impacted soil and to guide the excavation. The sidewalls of the excavation were advanced until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. The excavation was initially advanced vertically to approximately four (4) feet below ground surface (bgs). Representative five-point composite confirmation soil samples were collected every 50 linear feet from the excavation sidewalls to be submitted for laboratory analysis.

On July 27, 2022, Etech collected 10 confirmation soil samples (NWS 1, EWS 1 through EWS 4, SWS 1, and WWS 1 through WWS 4) from the sidewalls of the excavated area. The soil samples were submitted to a certified, commercial laboratory (henceforth, "the laboratory") for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory method detection limit (MDL) in each of the submitted soil samples. Chloride concentrations ranged from 32.0 mg/kg in soil samples NWS 1 and WWS 1 to 640 mg/kg in soil sample WWS 2, which exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard. Based on these laboratory analytical results, the horizontal extent of impacted soil was adequately defined in the areas characterized by soil samples NWS 1, EWS 1 through EWS 4, SWS 1, WWS 1, WWS 3, and WWS 4. However, additional horizontal delineation and excavation was required in the area characterized by soil sample WWS 2.

On July 29, 2022, Etech advanced a series of delineation trenches (DT-1, DT-2, and DT-3) within the release margins in an effort to determine the vertical extent of impacted soil. During the advancement of the delineation trenches, soil samples were collected and field-screened for concentrations of chloride utilizing a chloride test kit and/or the presence of Volatile Organic Compounds utilizing olfactory/visual senses. Based on field observations and field test data, a total of 16 delineation soil samples (DT-1 @ Surface, DT-1 @ 2', DT-1 @ 4', DT-1 @ 6', DT-2 @ Surface, DT-2 @ 2', DT-2 @ 4', DT-2 @ 6', DT-2 @ 8', DT-3 @ Surface, DT-3 @ 2', DT-3 @ 4', DT-3 @ 6', DT-3 @ 8', DT-3 @ 10', and DT-3 @ 12') were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Based on laboratory analytical results, the vertical extent of impacted soil was adequately defined and ranged from approximately six (6) feet bgs in the area characterized by delineation trench DT-1 to 12 feet bgs in the area characterized by delineation trench DT-3.

On August 2, 2022, the excavation was further advanced in the area characterized by soil sample WWS 2. Etech collected one (1) confirmation soil sample (WWSB 2) from the sidewall of the excavated area. The soil sample was submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated the chloride concentration was 256 mg/kg and below the NMOCD Closure Criterion and NMOCD Reclamation Standard. Based on these laboratory analytical results, the horizontal extent of the affected area was adequately defined.

On August 16, 2022, based on laboratory analytical results, field observations, and in-situ chloride migration modeling, Mewbourne submitted a *Remediation Summary & Variance Request* to the NMOCD requesting permission to install a 20-mil, string-reinforced liner on the floor of the excavation atop impacted soil affected above the NMOCD Closure Criteria in the areas characterized by delineation trenches DT-1, DT-2, and DT-3. The variance request was subsequently denied by the NMOCD on the basis that the release site is in an area of high potential for karst occurrence.

On December 21, 2022, Etech resumed remediation activities at the release site. In accordance with the NMOCD, impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards in the areas characterized by delineation trenches DT-1, DT-2, and DT-3 was excavated and stockpiled on-site, pending transfer to an NMOCD-permitted surface waste facility for disposal. Olfactory/visual senses and/or a chloride test kit were utilized to field-screen the vertical extent of impacted soil and to guide the excavation. The excavation was advanced vertically until field tests and field observations suggested BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards. Representative five-point composite confirmation soil samples were collected every 200 square feet from the excavation floor to be submitted for laboratory analysis.

On December 12, 2022, Etech collected 11 confirmation soil samples (FL 1 @ 6' through FL 11 @ 6') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX, TPH, and chloride concentrations were below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards in each of the submitted soil samples. BTEX and TPH concentrations were also below the applicable laboratory MDL. Chloride concentrations ranged from 16.0 mg/kg in soil samples FL 1 @ 6', FL 5 @ 6', and FL 6 @ 6' to 144 mg/kg in soil sample FL 10 @ 6'.

On December 13, 2022, Etech collected 12 confirmation soil samples (FL 12 @ 8' through FL 23 @ 12') from the floor of the excavated area. The soil samples were submitted to the laboratory for analysis of BTEX, TPH, and chloride. Laboratory analytical results indicated BTEX and TPH concentrations were below the applicable NMOCD Closure Criteria, NMOCD Reclamation Standards, and laboratory MDL in each of the submitted soil samples. Chloride concentrations ranged from 32.0 mg/kg in soil samples FL 19 @ 12', FL 21 @ 12', and FL 22 @ 12' to 720 mg/kg in soil sample FL 17 @ 10', which exceeded the NMOCD Closure Criterion and NMOCD Reclamation Standard. Based on these laboratory analytical results, the excavation was further advanced in the area characterized by soil sample FL 17 @ 10'.

On December 19, 2022, Etech collected one (1) confirmation soil sample (FL 17 @ 11') from the floor of the excavated area. The soil sample was submitted to the laboratory for analysis of chloride. Laboratory analytical results indicated the chloride concentration was 96.0 mg/kg and below the NMOCD Closure Criterion and NMOCD Reclamation Standard.

The final dimensions of the excavated area were approximately 202 feet in length, 12 to 40 feet in width, and six (6) to 12 feet in depth. During the course of remediation activities, Etech transported approximately 1,760 cubic yards of impacted soil to an NMOCD-permitted surface waste facility for disposal and imported approximately 1,636 cubic yards of locally sourced, non-impacted material to the site for use as backfill.

The extent of the excavated area and the locations of the delineation trenches and composite confirmation soil samples are depicted in Figure 3, "Site & Sample Location Map". Soil chemistry data is summarized in Table 1. Field data and a soil profile log are provided in Appendix B. General photographs of the site are provided in Appendix C. Laboratory analytical reports are provided in Appendix D. Copies of all regulatory correspondence are included in Appendix E.

## **5.0 RESTORATION, RECLAMATION & REVEGETATION PLAN**

Upon receiving laboratory analytical results from confirmation soil samples, excavated areas were backfilled with locally sourced, non-impacted, "like" material placed at or near original relative positions. The affected area was compacted and contoured to achieve erosion control, stability, and preservation of surface water flow, to the extent practicable. Affected areas not on production pads and/or lease roads will be reseeded with an agency and/or landowner-approved seed mixture during the first favorable growing season following closure of the site.

## **6.0 SOIL CLOSURE REQUEST**

Remediation activities were conducted in accordance with the NMOCD. Impacted soil affected above the NMOCD Closure Criteria and NMOCD Reclamation Standards was excavated and transported to an NMOCD-permitted disposal facility. Laboratory analytical results from confirmation soil samples indicate in-situ concentrations of BTEX, TPH, and chloride are below the applicable NMOCD Closure Criteria and NMOCD Reclamation Standards.

Based on laboratory analytical results and field activities conducted to date, Etech recommends Mewbourne Oil Company provide copies of this *Remediation Summary & Soil Closure Request* to the appropriate agencies and request closure be granted to the Parkway 26 SWD Line release site.

## 7.0 LIMITATIONS

Etech Environmental & Safety Solutions, Inc., has prepared this *Remediation Summary & Soil Closure Request* to the best of its ability. No other warranty, expressed or implied, is made or intended. Etech has examined and relied upon documents referenced in the report and on oral statements made by certain individuals. Etech has not conducted an independent examination of the facts contained in referenced materials and statements. Etech has presumed the genuineness of these documents and statements and that the information provided therein is true and accurate. Etech has prepared the report in a professional manner, using the degree of skill and care exercised by similar environmental consultants. Etech notes that the facts and conditions referenced in this report may change over time, and the conclusions and recommendations set forth herein are applicable only to the facts and conditions as described at the time of this report.

This report has been prepared for the benefit of Mewbourne Oil Company. Use of the information contained in this report is prohibited without the consent of Etech and/or Mewbourne Oil Company.

## **8.0 DISTRIBUTION**

***Mewbourne Oil Company***

*4801 Business Park Blvd.*

*Hobbs, NM 88240*

***New Mexico Energy, Minerals and Natural Resources Department***

*Oil Conservation Division, District 2*

*811 S. First Street*

*Artesia, NM 88210*

***Hobbs Field Office***

*New Mexico State Land Office*

*2827 North Dal Paso Street*

*Suite 117*

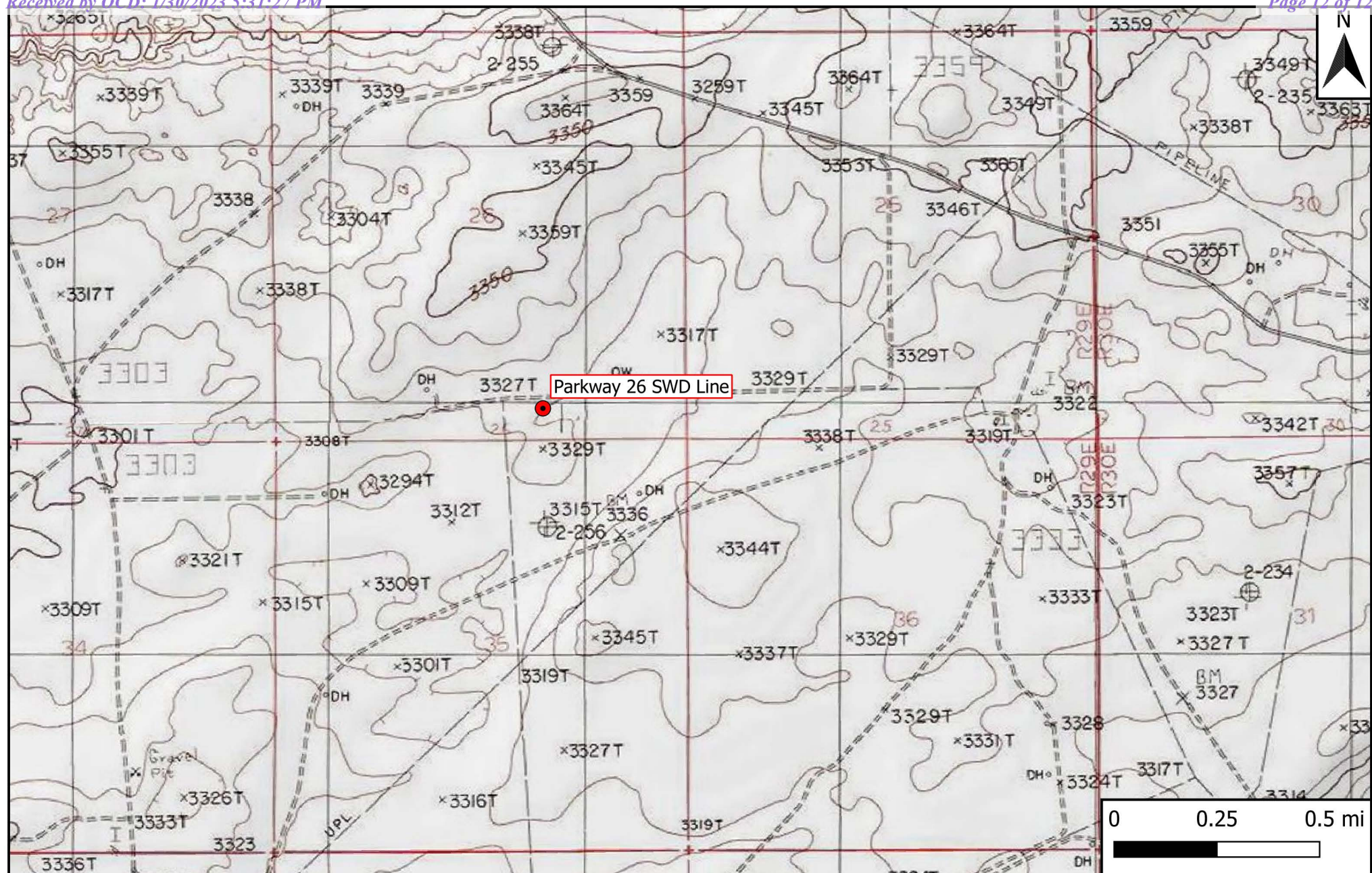
*Hobbs, NM 88240*

*(Electronic Submission)*

# **Figure 1**

## **Topographic Map**





### Legend

 Site Location

**Figure 1**

Topographic Map  
Mewbourne Oil Company  
Parkway 26 SWD Line  
GPS: 32.6254296, -104.0429143  
Eddy County



Drafted: bja

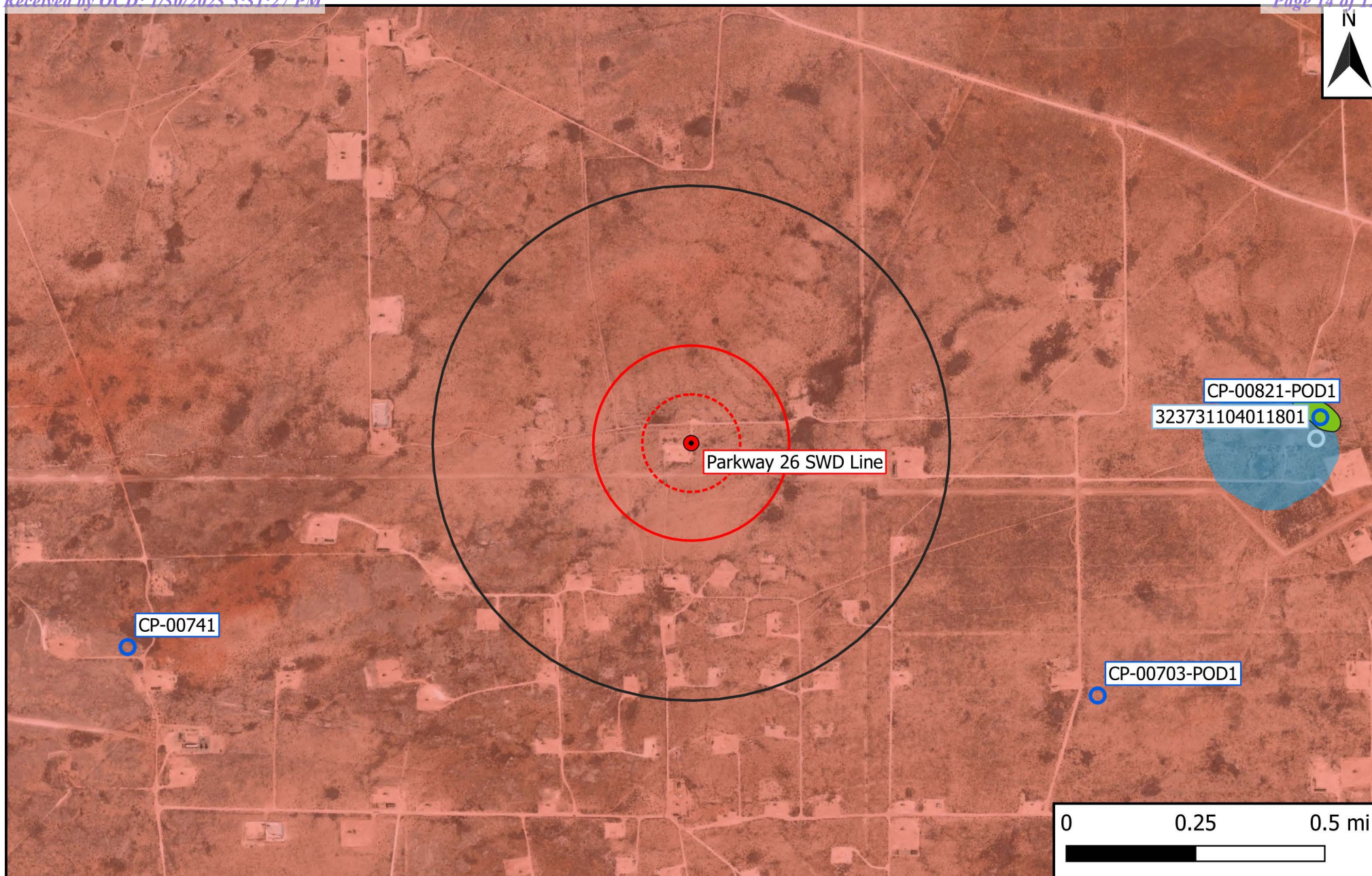
Checked: jwl

Date: 8/12/22



## **Figure 2**

### **Site Characterization Map**



## Legend

- |                              |                                 |                    |
|------------------------------|---------------------------------|--------------------|
| ● Site Location              | 100-Year Floodplain             | 500-Ft Radius      |
| ○ Well - NMOSE               | Emergent/Forested Wetlands      | 1,000-Ft Radius    |
| ○ Well - USGS                | Freshwater Pond/Lake            | 0.5-Mi Radius      |
| ○ Well - Exploratory/Monitor | Karst Potential (Low/Med./High) | Municipal Boundary |
| — Potash Mine Workings       | Riverine                        |                    |

**Figure 2**  
 Site Characterization Map  
 Mewbourne Oil Company  
 Parkway 26 SWD Line  
 GPS: 32.6254296, -104.0429143  
 Eddy County



Drafted: bja

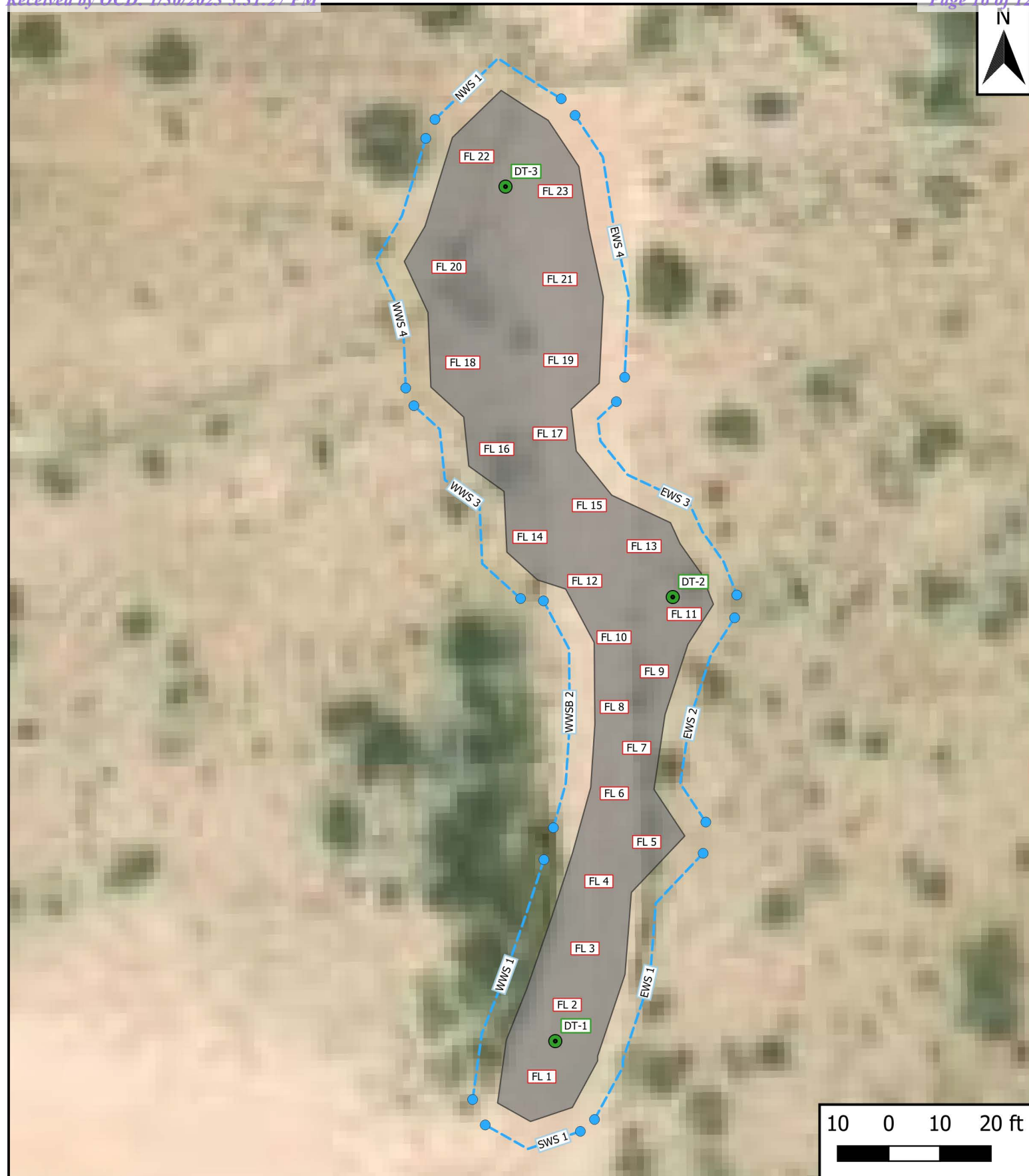
Checked: jwl

Date: 8/12/22

## **Figure 3**

### **Site & Sample Location Map**





## Legend

- Excavation Extent
- Composite Wall Sample
- Composite Floor Sample
- Delineation Sample Location

## Figure 3

Site & Sample Location Map  
 Mewbourne Oil Company  
 Parkway 26 SWD Line  
 GPS: 32.6254296, -104.0429143  
 Eddy County



Drafted: bja

Checked: lc

Date: 1/27/23

**Table 1**  
**Concentrations of BTEX, TPH & Chloride in Soil**

Table 1 Concentrations of BTEX, TPH & Chloride in Soil Mewbourne Oil Company Parkway 26 SWD Line NMOCD Ref. #: nAPP2212962315											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
Delineation Samples											
DT-1 @ Surface	7/29/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	8,000
DT-1 @ 2'	7/29/2022	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,580
DT-1 @ 4'	7/29/2022	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	624
DT-1 @ 6'	7/29/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	112
DT-2 @ Surface	7/29/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	30,400
DT-2 @ 2'	7/29/2022	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	18,000
DT-2 @ 4'	7/29/2022	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	3,280
DT-2 @ 6'	7/29/2022	6	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,680
DT-2 @ 8'	7/29/2022	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	400
DT-3 @ Surface	7/29/2022	0	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	36,400
DT-3 @ 2'	7/29/2022	2	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	33,600
DT-3 @ 4'	7/29/2022	4	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	7,600
DT-3 @ 6'	7/29/2022	6	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	1,800
DT-3 @ 8'	7/29/2022	8	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	23,600
DT-3 @ 10'	7/29/2022	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	2,360
DT-3 @ 12'	7/29/2022	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
Excavation Samples											
NWS 1	7/27/2022	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
EWS 1	7/27/2022	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
EWS 2	7/27/2022	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	224
EWS 3	7/27/2022	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	336
EWS 4	7/27/2022	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	304
SWS 1	7/27/2022	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
WWS 1	7/27/2022	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
WWS 2	7/27/2022	1-3	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	640
WWSB 2	8/2/2022	1-3	In-Situ	-	-	-	-	-	-	-	256
WWS 3	7/27/2022	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
WWS 4	7/27/2022	1-3	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192
FL 1 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 2 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 3 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 4 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	80.0
FL 5 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 6 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	16.0
FL 7 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 8 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 9 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 10 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 11 @ 6'	12/12/2022	6	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 12 @ 8'	12/13/2022	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128
FL 13 @ 8'	12/13/2022	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	176
FL 14 @ 8'	12/13/2022	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	208
FL 15 @ 8'	12/13/2022	8	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	192

Dash (-): Sample not analyzed for that constituent.

Bold: NMOCD Closure Criteria exceedance.

Red: NMOCD Reclamation Standard exceedance.

<b>Table 1</b> <b>Concentrations of BTEX, TPH &amp; Chloride in Soil</b> <b>Mewbourne Oil Company</b> <b>Parkway 26 SWD Line</b> <b>NMOCD Ref. #: nAPP2212962315</b>											
NMOCD Closure Criteria				10	50	N/A	N/A	N/A	N/A	100	600
NMOCD Reclamation Standard				10	50	N/A	N/A	N/A	N/A	100	600
Sample ID	Date	Depth (Feet)	Soil Status	SW 846 8021B		SW 846 8015M Ext.					4500 Cl
				Benzene (mg/kg)	BTEX (mg/kg)	GRO C <sub>6</sub> -C <sub>10</sub> (mg/kg)	DRO C <sub>10</sub> -C <sub>28</sub> (mg/kg)	GRO + DRO C <sub>6</sub> -C <sub>28</sub> (mg/kg)	ORO C <sub>28</sub> -C <sub>36</sub> (mg/kg)	TPH C <sub>6</sub> -C <sub>36</sub> (mg/kg)	Chloride (mg/kg)
FL 16 @ 10'	12/13/2022	10	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	144
FL 17 @ 10'	12/13/2022	10	Excavated	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	<b>720</b>
FL 17 @ 11'	12/19/2022	11	In-Situ	-	-	-	-	-	-	-	96.0
FL 18 @ 12'	12/13/2022	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 19 @ 12'	12/13/2022	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 20 @ 12'	12/13/2022	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	48.0
FL 21 @ 12'	12/13/2022	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 22 @ 12'	12/13/2022	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	32.0
FL 23 @ 12'	12/13/2022	12	In-Situ	<0.050	<0.300	<10.0	<10.0	<20.0	<10.0	<30.0	128

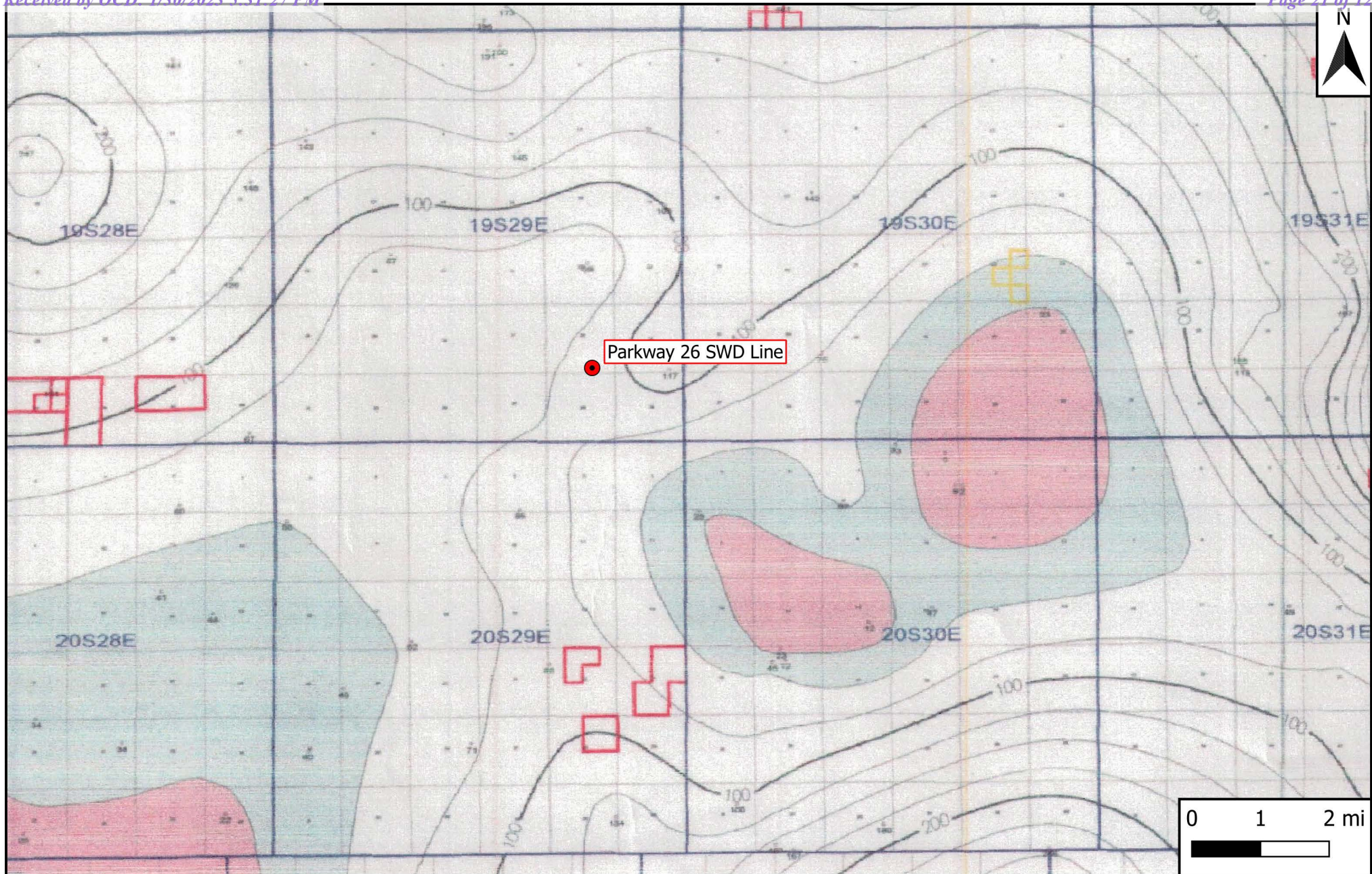
Dash (-): Sample not analyzed for that constituent.

**Bold:** NMOCD Closure Criteria exceedance.**Red:** NMOCD Reclamation Standard exceedance.

## **Appendix A**

### **Depth to Groundwater Information**





## Legend

- Site Location

## Figure 4

Inferred Depth to Groundwater Trend Map  
 Mewbourne Oil Company  
 Parkway 26 SWD Line  
 GPS: 32.6254296, -104.0429143  
 Eddy County



Drafted: bja

Checked: jwl

Date: 8/12/22



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

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

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

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">CP 00703 POD1</a>		CP	ED	4	1	36	19S	29E		591050	3609382	1489	225	115	110
<a href="#">CP 00739 POD1</a>		CP	ED	3	4	4	35	19S	29E	590068	3608622	1571	200	110	90

Average Depth to Water: **112 feet**

Minimum Depth: **110 feet**

Maximum Depth: **115 feet**

**Record Count:** 2

### UTMNAD83 Radius Search (in meters):

**Easting (X):** 589784.59

**Northing (Y):** 3610167.6

**Radius:** 1610

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8/15/22 1:39 PM


WATER COLUMN/ AVERAGE DEPTH TO WATER





# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)							
		(quarters are smallest to largest)				(NAD83 UTM in meters)			
<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
	CP 00703 POD1	4	1	36	19S	29E		591050	3609382 

---

<b>Driller License:</b>	421	<b>Driller Company:</b>	GLENN'S WATER WELL SERVICE	
<b>Driller Name:</b>	GLENN, CLARK A."CORKY" (LD)			
<b>Drill Start Date:</b>	12/02/1986	<b>Drill Finish Date:</b>	12/02/1986	<b>Plug Date:</b>
<b>Log File Date:</b>	12/10/1986	<b>PCW Rev Date:</b>		<b>Source:</b> Shallow
<b>Pump Type:</b>		<b>Pipe Discharge Size:</b>		<b>Estimated Yield:</b> 150 GPM
<b>Casing Size:</b>	6.63	<b>Depth Well:</b>	225 feet	<b>Depth Water:</b> 115 feet

---

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	171	194	Sandstone/Gravel/Conglomerate

---

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	170	200

---

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7/21/22 11:15 AM

POINT OF DIVERSION SUMMARY



# New Mexico Office of the State Engineer

## Point of Diversion Summary

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

(quarters are smallest to largest)

(NAD83 UTM in meters)

<b>Well Tag</b>	<b>POD Number</b>	<b>Q64</b>	<b>Q16</b>	<b>Q4</b>	<b>Sec</b>	<b>Tws</b>	<b>Rng</b>	<b>X</b>	<b>Y</b>
CP 00739	POD1	3	4	4	35	19S	29E	590068	3608622

x

**Driller License:** 1184      **Driller Company:** WEST TEXAS WATER WELL SERVICE

**Driller Name:** COLLIS, ROBERT E. (LD)

<b>Drill Start Date:</b> 12/09/1988	<b>Drill Finish Date:</b> 12/10/1988	<b>Plug Date:</b>
<b>Log File Date:</b> 12/20/1988	<b>PCW Rev Date:</b>	<b>Source:</b> Shallow
<b>Pump Type:</b>	<b>Pipe Discharge Size:</b>	<b>Estimated Yield:</b> 150 GPM
<b>Casing Size:</b> 6.63	<b>Depth Well:</b> 200 feet	<b>Depth Water:</b> 110 feet

x

<b>Water Bearing Stratifications:</b>	<b>Top</b>	<b>Bottom</b>	<b>Description</b>
	110	198	Sandstone/Gravel/Conglomerate

x

<b>Casing Perforations:</b>	<b>Top</b>	<b>Bottom</b>
	160	200

x

<b>Meter Number:</b> 7599	<b>Meter Make:</b> VANE METER
<b>Meter Serial Number:</b> 1506-33356	<b>Meter Multiplier:</b> 1.0000
<b>Number of Dials:</b> 6	<b>Meter Type:</b> Diversion
<b>Unit of Measure:</b> Barrels 42 gal.	<b>Return Flow Percent:</b>
<b>Usage Multiplier:</b> 0.00	<b>Reading Frequency:</b> Quarterly

x

### Meter Readings (in Acre-Feet)

Read Date	Year	Mtr Reading	Flag	Rdr	Comment	Mtr Amount Online
02/11/2004	2004	0	A	jw		0
12/30/2015	2015	0	A		RPT INITIAL READING	0

x

<b>**YTD Meter Amounts:</b>	<b>Year</b>	<b>Amount</b>
	2004	0
	2015	0

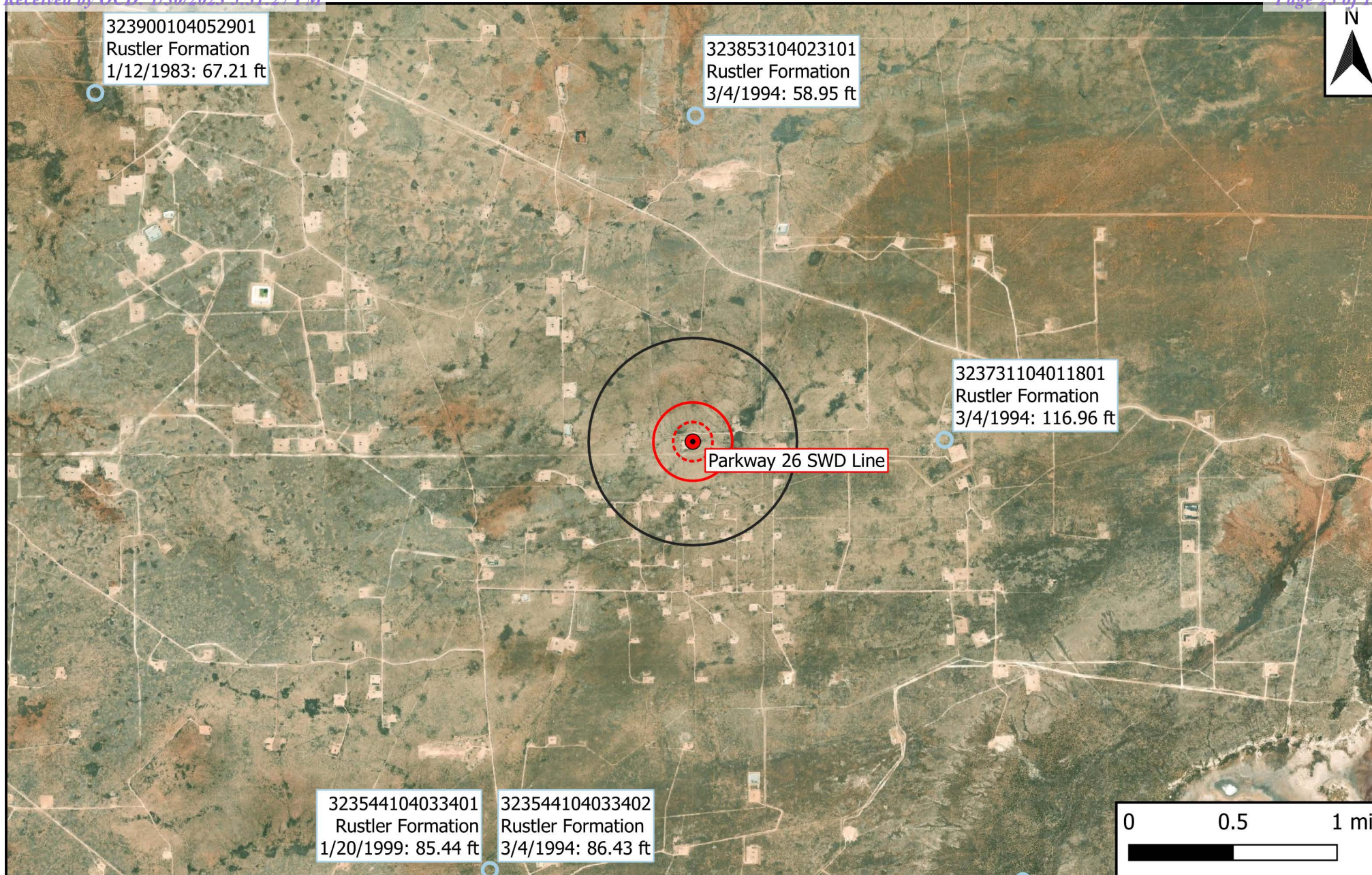
x

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POINT OF DIVERSION SUMMARY





## Legend

- Site Location
- Well - USGS
- ⊞ 500-Ft Radius
- ⊞ 1,000-Ft Radius
- ⊞ 0.5-Mi Radius

## Figure 5

USGS Well Proximity Map  
Mewbourne Oil Company  
Parkway 26 SWD Line  
GPS: 32.6254296, -104.0429143  
Eddy County



Drafted: bja

Checked: jwl

Date: 8/12/22





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Agency code = usgs

site\_no list =

- 323731104011801

Minimum number of levels = 1

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### USGS 323731104011801 19S.29E.25.44332

Eddy County, New Mexico

Latitude 32°37'31", Longitude 104°01'18" NAD27

Land-surface elevation 3,322 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

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Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1983-01-12		D	72019	118.93			1	Z			A
1994-03-04		D	72019	116.96			1	S			A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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0.4 0.29 nadww01



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Agency code = usgs

site\_no list =

- 323853104023101

Minimum number of levels = 1

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## USGS 323853104023101 19S.29E.23.23322

Eddy County, New Mexico

Latitude 32°38'53", Longitude 104°02'31" NAD27

Land-surface elevation 3,273 feet above NAVD88

The depth of the well is 85 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

### Output formats

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Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water- level approval status
1965-12-09			D	72019	68.96		1	Z			A
1968-04-02			D	72019	70.87		P	Z			A
1971-02-01			D	72019	68.91		1	Z			A
1983-01-12			D	72019	61.05		1	Z			A
1986-06-03			D	72019	59.63		1	S			A
1990-09-20			D	72019	60.88		1	S			A
1994-03-04			D	72019	58.95		1	S			A



Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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site\_no list =

- 323544104033401

Minimum number of levels = 1

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### USGS 323544104033401 20S.29E.03.43344

Eddy County, New Mexico

Latitude 32°35'44", Longitude 104°03'34" NAD27

Land-surface elevation 3,300 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

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Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1948-12-13			D 72019	91.68				P Z			A
1965-12-09			D 72019	87.64			1	Z			A
1968-05-27			D 72019	90.15			P	Z			A
1971-02-10			D 72019	86.55			P	Z			A
1976-12-14			D 72019	86.76			1	Z			A
1983-01-13			D 72019	87.20			1	Z			A
1999-01-20			D 72019	85.44			1	S			A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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site\_no list =

- 323544104033402

Minimum number of levels = 1

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USGS 323544104033402 20S.29E.03.43344 A

Eddy County, New Mexico  
Latitude 32°35'44", Longitude 104°03'34" NAD27  
Land-surface elevation 3,300 feet above NAVD88  
The depth of the well is 96 feet below land surface.  
This well is completed in the Other aquifers (N9999OTHER) national aquifer.  
This well is completed in the Rustler Formation (312RSLR) local aquifer.

Output formats

<a href="#">Table of data</a>
<a href="#">Tab-separated data</a>
<a href="#">Graph of data</a>
<a href="#">Reselect period</a>

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1976-12-14			D 72019	87.15			1	Z			A
1977-12-15			D 72019	88.34			1	Z			A
1983-01-13			D 72019	87.60			1	Z			A
1994-03-04			D 72019	86.43			1	S			A

Explanation

Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Method of measurement	S	Steel-tape measurement.
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

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Agency code = usgs

site\_no list =

- 323900104052901

Minimum number of levels = 1

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Eddy County, New Mexico

Latitude 32°39'00", Longitude 104°05'29" NAD27

Land-surface elevation 3,306 feet above NAVD88

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

**Output formats**[Table of data](#)[Tab-separated data](#)[Graph of data](#)[Reselect period](#)

Date	Time	? Water-level date-time accuracy	? Parameter code	Water level, feet below land surface	Water level, feet above specific vertical datum	Referenced vertical datum	? Status	? Method of measurement	? Measuring agency	? Source of measurement	? Water-level approval status
1948-12-13			D	72019	62.73			P	Z		A
1965-12-09			D	72019	65.41			P	Z		A
1968-04-02			D	72019	68.59			1	Z		A
1971-02-01			D	72019	66.87			1	Z		A
1976-12-07			D	72019	70.31			P	Z		A
1983-01-12			D	72019	67.21			1	Z		A

Explanation		
Section	Code	Description
Water-level date-time accuracy	D	Date is accurate to the Day
Parameter code	62610	Groundwater level above NGVD 1929, feet
Parameter code	62611	Groundwater level above NAVD 1988, feet
Parameter code	72019	Depth to water level, feet below land surface
Referenced vertical datum	NAVD88	North American Vertical Datum of 1988
Referenced vertical datum	NGVD29	National Geodetic Vertical Datum of 1929
Status	1	Static
Status	P	Pumping
Method of measurement	Z	Other.
Measuring agency		Not determined
Source of measurement		Not determined
Water-level approval status	A	Approved for publication -- Processing and review completed.

[Questions about sites/data?](#)[Feedback on this web site](#)[Automated retrievals](#)[Help](#)[Data Tips](#)[Explanation of terms](#)[Subscribe for system changes](#)[News](#)[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)**Title: Groundwater for USA: Water Levels****URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2022-08-15 15:45:02 EDT

0.29 0.25 nadww01

## **Appendix B**

### **Field Data & Soil Profile Logs**





## Sample Log

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

Project: Parkway 26

Project Number: 16333 Latitude: 32.625608 Longitude: -104.04288

Sample ID	PID/Odor	Chloride Conc.	GPS
TT-155	-	316	
TT-1 @ 2Ft	-	316	
SWs 1	-	356	
EWs 1	-	1,444	
WWS 1	-	4,332	
EWs 1	-	ND	
WWS 1	-	400	
WWS 2.	-	1,096	
EWs 2.	-	1,260	
WWS 2.	-	640	
EWs 2.	-	280	
WWS 2	-	588	
WWS 3.	-	880	
WWS 3	-	640	
EWs 3	-	588	
EWs 4	-	2552	
EWs 4	-	588	
NWS 1	-	152	
WWS <del>1</del> 3	-	400	
WWS <del>1</del> 4	-	280	
EWs test 1	-	1,772	
EWs test 2	-	800	
EWs test 3	-	756	
DT-1 @ Surface	-	6356	
DT-1 @ 2Ft	-	1,772	
DT-1 @ 4Ft	-	880	
DT-1 @ 6Ft	-	200	
DT-2 @ Surface	-	17,000	
DT-2 @ 2Ft	-	11,820	
DT-2 @ 4Ft	-	2584	
DT-2 @ 6Ft	-	1584	
DT-2 @ 8Ft	-	488	
DT-3 @ Surface	-	21,228	
DT-3 @ 2Ft	-	11,820	
DT-3 @ 4Ft	-	7,972	
DT-3 @ 6Ft	-	1,640	

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

Soil Intended to be Deferred = SP #1 @ 4' In-Situ

Resamples = SP #1 @ 5b or SW #1b

Stockpile = Stockpile #1

GPS Sample Points, Center of Comp Areas

DT-3 @ 8Ft - 14,052  
 DT-3 @ 10Ft - 2,400  
 DT-3 @ 12Ft - 440

## Sample Log

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

Project: Parkway 26

Project Number:	16333	Latitude:	32.625608	Longitude:	-104.04288
-----------------	-------	-----------	-----------	------------	------------

[illegible]

**Sample Point = SP #1 @ ## etc**

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

**Refusal = SP #1 @ 4'-R**

**Soil Intended to be Deferred = SP #1 @ 4' In-Situ**

Resamples= SP #1 @ 5b or SW #1b

**Stockpile = Stockpile #1**

### GPS Sample Points, Center of Comp Areas



## Sample Log

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

Project: Parkway 26

Project Number: 16333 Latitude: 32.625608 Longitude: -104.04288

[illegible]

**Sample Point = SP #1 @ ## etc**

**Floor = FL #1 etc**

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

**Refusal = SP #1 @ 4'-R**

**Soil Intended to be Deferred = SP #1 @ 4' In-Situ**

**Resamples= SP #1 @ 5b or SW #1b**

**Stockpile = Stockpile #1**

GPS Sample Points, Center of Comp Areas





## Sample Log

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

Project: Parkway 26 SWD Line

Project Number: 16333      Latitude: 32.6254296      Longitude: -104.0429143

[illegible]

Sample Point = SP #1 @ ## etc

Floor = FL #1 etc

Sidewall = SW #1 etc

Test Trench = TT #1 @ ##

Refusal = SP #1 @ 4'-R

**Soil Intended to be Deferred = SP #1 @ 4' In-Situ**

Resamples= SP #1 @ 5b or SW #1b

**Stockpile = Stockpile #1**

GPS Sample Points, Center of Comp Areas



Soil Profile

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

Project: Parkway 26

Project Number: 16333      Latitude: 32.625608      Longitude: -104.04288


Depth (ft. bgs)	Description
0-4'	Caliche-Sand mix
4-8'	Caliche-Sand mix
8-12	Sand-Clay mix
12	
13	
14	
15	
16	
17	
18	
19	
20	
21	
22	
23	
24	
25	
26	
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38	
39	
40	


## **Appendix C**

### **Photographic Log**



## Photographic Log

<b>Photo Number:</b> 1	
<b>Photo Direction:</b> Southwest	
<b>Photo Description:</b>  View of the point of release.	

<b>Photo Number:</b> 2	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the affected area.	




## Photographic Log

<b>Photo Number:</b> 3	 <p>Jul 21, 2022 at 9:52:01 AM +32.625687,-104.042892</p>
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the affected area.	

<b>Photo Number:</b> 4	 <p>Jul 21, 2022 at 9:52:24 AM +32.625482,-104.042865</p>
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of the affected area.	



## Photographic Log


<b>Photo Number:</b> 5	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the affected area.	

<b>Photo Number:</b> 6	
<b>Photo Direction:</b> Northwest	
<b>Photo Description:</b>  View of the excavated area.	



## Photographic Log


<b>Photo Number:</b> 7	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.  (Note: Coordinates displayed on photograph are inaccurate. Correct coordinates are 32.625305,-104.042963)	

<b>Photo Number:</b> 8	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	



## Photographic Log


<b>Photo Number:</b> 9	
<b>Photo Direction:</b> South	
<b>Photo Description:</b>  View of the excavated area.	

<b>Photo Number:</b> 10	
<b>Photo Direction:</b> Southeast	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	



## Photographic Log

<b>Photo Number:</b> 11	
<b>Photo Direction:</b> North	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

<b>Photo Number:</b> 12	
<b>Photo Direction:</b> Northwest	
<b>Photo Description:</b>  View of the remediated area after backfill and regrading.	

## **Appendix D**

### **Laboratory Analytical Reports**



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

---

August 02, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PARKWAY 26

Enclosed are the results of analyses for samples received by the laboratory on 07/28/22 16:23.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: SWS 1 (H223343-01)**

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	07/30/2022	ND	1.81	90.4	2.00	8.44	
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91	
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74	
Total BTX	<0.300	0.300	07/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	08/01/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 43-149

Surrogate: 1-Chlorooctadecane 71.6 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: NWS 1 (H223343-02)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	07/30/2022	ND	1.81	90.4	2.00	8.44	
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91	
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74	
Total BTEx	<0.300	0.300	07/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	08/01/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 84.7 % 43-149

Surrogate: 1-Chlorooctadecane 70.6 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EWS 1 (H223343-03)**

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	07/30/2022	ND	1.81	90.4	2.00	8.44		
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74		
Total BTEx	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

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	08/01/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 93.0 % 43-149

Surrogate: 1-Chlorooctadecane 81.2 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EWS 2 (H223343-04)**

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	07/30/2022	ND	1.81	90.4	2.00	8.44	
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85	
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91	
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74	
Total BTX	<0.300	0.300	07/30/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	224	16.0	08/01/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 43-149

Surrogate: 1-Chlorooctadecane 73.5 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EWS 3 (H223343-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/30/2022	ND	1.81	90.4	2.00	8.44		
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74		
Total BTEx	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	08/01/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 92.6 % 43-149

Surrogate: 1-Chlorooctadecane 82.8 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: EWS 4 (H223343-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	07/30/2022	ND	1.81	90.4	2.00	8.44		
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74		
Total BTEx	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	08/01/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 89.9 % 43-149

Surrogate: 1-Chlorooctadecane 79.4 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WWS 1 (H223343-07)**

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	07/30/2022	ND	1.81	90.4	2.00	8.44		
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74		
Total BTX	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/01/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 77.6 % 43-149

Surrogate: 1-Chlorooctadecane 68.1 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WWS 2 (H223343-08)**

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	07/30/2022	ND	1.81	90.4	2.00	8.44		
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74		
Total BTX	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	08/01/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 89.1 % 43-149

Surrogate: 1-Chlorooctadecane 78.2 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WWS 3 (H223343-09)**

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	07/30/2022	ND	1.81	90.4	2.00	8.44		
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74		
Total BTEx	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 117 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/01/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 76.8 % 43-149

Surrogate: 1-Chlorooctadecane 67.5 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/28/2022  
 Reported: 08/02/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/27/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: WWS 4 (H223343-10)**

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	07/30/2022	ND	1.81	90.4	2.00	8.44		
Toluene*	<0.050	0.050	07/30/2022	ND	1.90	95.1	2.00	8.85		
Ethylbenzene*	<0.050	0.050	07/30/2022	ND	1.95	97.6	2.00	8.91		
Total Xylenes*	<0.150	0.150	07/30/2022	ND	6.00	100	6.00	8.74		
Total BTEx	<0.300	0.300	07/30/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	08/01/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/01/2022	ND	225	113	200	1.94	
DRO >C10-C28*	<10.0	10.0	08/01/2022	ND	237	119	200	5.44	
EXT DRO >C28-C36	<10.0	10.0	08/01/2022	ND					

Surrogate: 1-Chlorooctane 83.3 % 43-149

Surrogate: 1-Chlorooctadecane 74.7 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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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.
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



# ARDINAL LABORATORIES

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 13 of 13

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: <i>Lance Crenshaw</i>				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: P.O. Box 301				Company: <i>Mewbourne</i>																									
City: Lovington State: NM Zip: 88260				Attn: <i>Robbie Kinnds</i>																									
Phone #: (575) 396-2378 Fax #: (575) 396-1429				Address:																									
Project #: <i>16333</i> Project Owner:				City:																									
Project Name: <i>Parkway 26</i>				State: Zip:																									
Project Location:				Phone #:																									
Sampler Name: <i>Arion Kios</i>				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	
<i>H223343</i>																													
1		<i>SWs</i>		1		X		X												X		X		X					
2		<i>NWS</i>		1																									
3		<i>EWS</i>		1																									
4		<i>EWS</i>		2																									
5		<i>EWS</i>		3																									
6		<i>EWS</i>		4																									
7		<i>WWS</i>		1																									
8		<i>WWS</i>		2																									
9		<i>WWS</i>		3																									
10		<i>WWS</i>		4																									

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Relinquished By:	Date: <i>7-28-22</i>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Arion Kios</i>	Time: <i>1623</i>	<i>Amara Alda Kyr</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			

Please email results to [pm@etechenv.com](mailto:pm@etechenv.com).

Delivered By: (Circle One)	5.6°C	C-0.6°C	Sample Condition	CHECKED BY:
Sampler - UPS - Bus - Other:	5.0°C	#113	Cool Intact	(Initials)
			<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<i>TO</i>

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476





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

---

August 04, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PARKWAY 26

Enclosed are the results of analyses for samples received by the laboratory on 07/29/22 15:28.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 1 @ SURFACE (H223370-01)**

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	08/03/2022	ND	2.08	104	2.00	7.66	
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82	
Total BTX	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.1 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	8000	16.0	08/03/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	187	93.6	200	1.89	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	186	93.1	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 75.0 % 43-149

Surrogate: 1-Chlorooctadecane 87.6 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 1 @ 2' (H223370-02)**

BTEx 8021B			mg/kg							
			Analyzed By: JH/							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2022	ND	2.08	104	2.00	7.66		
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82		
Total BTEX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500Cl-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1580	16.0	08/03/2022	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	187	93.6	200	1.89		
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	186	93.1	200	6.53		
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND						

Surrogate: 1-Chlorooctane 82.7 % 43-149

Surrogate: 1-Chlorooctadecane 95.4 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 1 @ 4' (H223370-03)**

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	08/03/2022	ND	2.08	104	2.00	7.66	
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	08/03/2022	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	187	93.6	200	1.89	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	186	93.1	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 84.2 % 43-149

Surrogate: 1-Chlorooctadecane 96.7 % 42.5-161

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 1 @ 6' (H223370-04)**

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	08/03/2022	ND	2.08	104	2.00	7.66		
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82		
Total BTX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	08/03/2022	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	187	93.6	200	1.89		
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	186	93.1	200	6.53		
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND						

Surrogate: 1-Chlorooctane 76.1 % 43-149

Surrogate: 1-Chlorooctadecane 87.2 % 42.5-161

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 2 @ SURFACE (H223370-05)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2022	ND	2.08	104	2.00	7.66		
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82		
Total BTEx	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	30400	16.0	08/03/2022	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	187	93.6	200	1.89	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	186	93.1	200	6.53	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 79.0 % 43-149

Surrogate: 1-Chlorooctadecane 94.0 % 42.5-161

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**Analytical Results For:**

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 2 @ 2' (H223370-06)**

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	08/03/2022	ND	2.08	104	2.00	7.66		
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82		
Total BTX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18000	16.0	08/03/2022	ND	416	104	400	3.77		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	187	93.6	200	1.89		
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	186	93.1	200	6.53		
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND						

Surrogate: 1-Chlorooctane 77.0 % 43-149

Surrogate: 1-Chlorooctadecane 89.1 % 42.5-161

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**Analytical Results For:**

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 2 @ 4' (H223370-07)**

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	08/03/2022	ND	2.08	104	2.00	7.66		
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82		
Total BTX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3280	16.0	08/03/2022	ND	432	108	400	0.00	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	08/03/2022	ND	187	93.6	200	1.89		
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	186	93.1	200	6.53		
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND						

Surrogate: 1-Chlorooctane 84.9 % 43-149

Surrogate: 1-Chlorooctadecane 97.9 % 42.5-161

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 2 @ 6' (H223370-08)**

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	08/03/2022	ND	2.08	104	2.00	7.66		
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82		
Total BTX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1680	16.0	08/03/2022	ND	432	108	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	187	93.6	200	1.89		
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	186	93.1	200	6.53		
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND						

Surrogate: 1-Chlorooctane 85.1 % 43-149

Surrogate: 1-Chlorooctadecane 98.7 % 42.5-161

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**Analytical Results For:**

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 2 @ 8' (H223370-09)**

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	08/03/2022	ND	2.08	104	2.00	7.66		
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82		
Total BTX	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 69.9-140

Chloride, SM4500CI-B			mg/kg							
			Analyzed By: AC							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	400	16.0	08/03/2022	ND	432	108	400	0.00		

TPH 8015M			mg/kg							
			Analyzed By: MS							
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	187	93.6	200	1.89		
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	186	93.1	200	6.53		
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND						

Surrogate: 1-Chlorooctane 84.4 % 43-149

Surrogate: 1-Chlorooctadecane 98.1 % 42.5-161

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**Analytical Results For:**

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 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 3 @ SURFACE (H223370-10)**

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	08/03/2022	ND	2.08	104	2.00	7.66		
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82		
Total BTEx	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	36400	16.0	08/03/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	220	110	200	0.535	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	234	117	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 85.6 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 3 @ 2' (H223370-11)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/03/2022	ND	2.08	104	2.00	7.66		
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03		
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13		
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82		
Total BTEx	<0.300	0.300	08/03/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.6 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	33600	16.0	08/03/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	220	110	200	0.535	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	234	117	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 91.0 % 43-149

Surrogate: 1-Chlorooctadecane 109 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 3 @ 4' (H223370-12)**

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	08/03/2022	ND	2.08	104	2.00	7.66	
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7600	16.0	08/03/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	220	110	200	0.535	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	234	117	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 43-149

Surrogate: 1-Chlorooctadecane 102 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 3 @ 6' (H223370-13)**

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	08/03/2022	ND	2.08	104	2.00	7.66	
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1800	16.0	08/03/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	220	110	200	0.535	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	234	117	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 82.6 % 43-149

Surrogate: 1-Chlorooctadecane 96.6 % 42.5-161

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 3 @ 8' (H223370-14)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2022	ND	2.08	104	2.00	7.66	
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.5 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	23600	16.0	08/03/2022	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	220	110	200	0.535	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	234	117	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 73.2 % 43-149

Surrogate: 1-Chlorooctadecane 82.2 % 42.5-161

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 3 @ 10' (H223370-15)**

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	08/03/2022	ND	2.08	104	2.00	7.66	
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	2360	16.0	08/03/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	220	110	200	0.535	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	234	117	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 86.1 % 43-149

Surrogate: 1-Chlorooctadecane 101 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 07/29/2022  
 Reported: 08/04/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 07/29/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DT - 3 @ 12' (H223370-16)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/03/2022	ND	2.08	104	2.00	7.66	
Toluene*	<0.050	0.050	08/03/2022	ND	2.17	109	2.00	8.03	
Ethylbenzene*	<0.050	0.050	08/03/2022	ND	2.15	107	2.00	7.13	
Total Xylenes*	<0.150	0.150	08/03/2022	ND	6.50	108	6.00	6.82	
Total BTEx	<0.300	0.300	08/03/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.0 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	08/03/2022	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/03/2022	ND	220	110	200	0.535	
DRO >C10-C28*	<10.0	10.0	08/03/2022	ND	234	117	200	3.85	
EXT DRO >C28-C36	<10.0	10.0	08/03/2022	ND					

Surrogate: 1-Chlorooctane 70.7 % 43-149

Surrogate: 1-Chlorooctadecane 80.8 % 42.5-161

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

### Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



# **CARDINAL LABORATORIES**

101 East Marland, Hobbs, NM 88240

(575) 393-2326 FAX (575) 393-2476

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

Page 19 of 20

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																					
Project Manager: Lance Cranshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																					
Address: P.O. Box 301				Company: Newbourne																									
City: Lovington		State: NM		Zip: 88260		Attn: Robbie Runnels																							
Phone #: (575) 396-2378		Fax #: (575) 396-1429		Address:																									
Project #: 16333		Project Owner:		City:																									
Project Name: Parkway 26.				State: Zip:																									
Project Location:				Phone #:																									
Sampler Name: Aaron Rios				Fax #:																									
FOR LAB USE ONLY																													
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS		MATRIX		PRESERV.		SAMPLING																			
						GROUNDWATER																							
						WASTEWATER																							
						SOIL																							
						OIL																							
						SLUDGE																							
						OTHER :																							
						ACID/BASE:																							
						ICE / COOL																							
						OTHER :																							
										DATE		TIME																	
H273370																													
1 DT-1 @ Surface				X		X				X		7-29-22				X		X		X									
2 DT-1 @ 2Ft																													
3 DT-1 @ 4Ft																													
4 DT-1 @ 6Ft																													
5 DT-2 @ Surface																													
6 DT-2 @ 2Ft																													
7 DT-2 @ 4Ft																													
8 DT-2 @ 6Ft																													
9 DT-2 @ 8Ft																													
10 DT-3 @ Surface																													

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Relinquished By:	Date: 7/29/22	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<i>Aaron Rios</i>	Time: 5:28	<i>Shadrighmen</i>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One) 5.62 C.O. 62			Sample Condition	
Sampler - UPS - Bus - Other: 5.02 #113			Cool Intact	
			<input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
			CHECKED BY: (Initials)	
			<i>SR</i>	

Please email results to pm@etechenv.com.

FORM-006  
Revision 1.0

† Cardinal cannot accept verbal changes. Please fax written changes to 575-393-2476



**(575) 393-2326 FAX (575) 393-2476**

~~Page 20 of 20~~

Released to Imaging: 5/26/2023 8:16:25 AM



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

---

August 04, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PARKWAY 26

Enclosed are the results of analyses for samples received by the laboratory on 08/02/22 16:31.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is fluid and cursive, with the first name "Celey" and last name "Keene" clearly distinguishable.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
LANCE CRENSHAW  
2617 W MARLAND  
HOBBS NM, 88240  
Fax To:

Received: 08/02/2022  
Reported: 08/04/2022  
Project Name: PARKWAY 26  
Project Number: 16333  
Project Location: MEWBOURNE

Sampling Date: 08/02/2022  
Sampling Type: Soil  
Sampling Condition: \*\* (See Notes)  
Sample Received By: Shalyn Rodriguez

**Sample ID: WWSB 2 (H223436-01)**

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/04/2022	ND	416	104	400	3.77		

Cardinal Laboratories

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

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.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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\*=Accredited Analyte

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

---

Caley D. Keene, Lab Director/Quality Manager

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 4 of 4

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Relinquished By:	Date:	Received By:	Phone Result:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Add'l Phone #:
<i>Adonhis</i>	8/2/22	<i>Slodkiewicz</i>	Fax Result:	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Time:		REMARKS:			
	11:31		email results			
Delivered By: (Circle One)	Date:	Received By:				
	Time:					
Sampler - UPS - Bus - Other:	Sample Condition	Cool	Intact	CHECKED BY:		
29.8°C - D-162	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	(Initials)		
29.2°C #113				<i>OK</i>		

† Cardinal cannot accept verbal changes. Please fax written changes to 505-393-2476



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

---

December 16, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PARKWAY 26 SWD LINE

Enclosed are the results of analyses for samples received by the laboratory on 12/13/22 15:57.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (\*). For a complete list of accredited analytes and matrices visit the TCEQ website at [www.tceq.texas.gov/field/qa/lab\\_accred\\_certif.html](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene". The signature is written in a cursive, flowing style.

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	PARKWAY 26 SWD LINE	Sampling Condition:	Cool & Intact
Project Number:	16333	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

**Sample ID: FL 1 @ 6' (H225880-01)**

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	12/15/2022	ND	2.09	105	2.00	0.118	
Toluene*	<0.050	0.050	12/15/2022	ND	2.19	110	2.00	0.336	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.15	108	2.00	0.0839	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.62	110	6.00	0.230	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/15/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.9 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 2 @ 6' (H225880-02)**

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	12/15/2022	ND	2.09	105	2.00	0.118		
Toluene*	<0.050	0.050	12/15/2022	ND	2.19	110	2.00	0.336		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.15	108	2.00	0.0839		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.62	110	6.00	0.230		
Total BTX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/15/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 87.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.8 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 3 @ 6' (H225880-03)**

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	12/15/2022	ND	2.09	105	2.00	0.118		
Toluene*	<0.050	0.050	12/15/2022	ND	2.19	110	2.00	0.336		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.15	108	2.00	0.0839		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.62	110	6.00	0.230		
Total BTEX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/15/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 93.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 4 @ 6' (H225880-04)**

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	12/15/2022	ND	2.09	105	2.00	0.118		
Toluene*	<0.050	0.050	12/15/2022	ND	2.19	110	2.00	0.336		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.15	108	2.00	0.0839		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.62	110	6.00	0.230		
Total BTEX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/15/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 93.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 5 @ 6' (H225880-05)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2022	ND	2.09	105	2.00	0.118		
Toluene*	<0.050	0.050	12/15/2022	ND	2.19	110	2.00	0.336		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.15	108	2.00	0.0839		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.62	110	6.00	0.230		
Total BTEX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 104 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/15/2022	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 90.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.4 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 6 @ 6' (H225880-06)**

BTEx 8021B		mg/kg		Analyzed By: JH/					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/14/2022	ND	2.07	103	2.00	3.64	
Toluene*	<0.050	0.050	12/14/2022	ND	2.08	104	2.00	2.86	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.02	101	2.00	4.12	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.20	103	6.00	4.53	
Total BTEx	<0.300	0.300	12/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 91.6 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.0 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 7 @ 6' (H225880-07)**

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	12/14/2022	ND	2.07	103	2.00	3.64	
Toluene*	<0.050	0.050	12/14/2022	ND	2.08	104	2.00	2.86	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.02	101	2.00	4.12	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.20	103	6.00	4.53	
Total BTEx	<0.300	0.300	12/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 88.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.2 % 46.3-178

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 8 @ 6' (H225880-08)**

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	12/14/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/14/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.20	103	6.00	4.53		
Total BTEx	<0.300	0.300	12/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 88.6 % 46.3-178

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 9 @ 6' (H225880-09)**

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	12/14/2022	ND	2.07	103	2.00	3.64	
Toluene*	<0.050	0.050	12/14/2022	ND	2.08	104	2.00	2.86	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.02	101	2.00	4.12	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.20	103	6.00	4.53	
Total BTX	<0.300	0.300	12/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 93.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	12/13/2022	Sampling Date:	12/12/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	PARKWAY 26 SWD LINE	Sampling Condition:	Cool & Intact
Project Number:	16333	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

**Sample ID: FL 10 @ 6' (H225880-10)**

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	12/14/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/14/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.20	103	6.00	4.53		
Total BTEx	<0.300	0.300	12/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 90.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 89.2 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/12/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 11 @ 6' (H225880-11)**

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	12/14/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/14/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.20	103	6.00	4.53		
Total BTX	<0.300	0.300	12/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.3 % 46.3-178

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 12 @ 8' (H225880-12)**

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	12/14/2022	ND	2.07	103	2.00	3.64	
Toluene*	<0.050	0.050	12/14/2022	ND	2.08	104	2.00	2.86	
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.02	101	2.00	4.12	
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.20	103	6.00	4.53	
Total BTEX	<0.300	0.300	12/14/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 88.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.6 % 46.3-178

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 13 @ 8' (H225880-13)**

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	12/14/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/14/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/14/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/14/2022	ND	6.20	103	6.00	4.53		
Total BTEx	<0.300	0.300	12/14/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	12/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 91.7 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 14 @ 8' (H225880-14)**

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	12/15/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/15/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.20	103	6.00	4.53		
Total BTX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 89.5 % 45.3-161

Surrogate: 1-Chlorooctadecane 86.9 % 46.3-178

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	PARKWAY 26 SWD LINE	Sampling Condition:	Cool & Intact
Project Number:	16333	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

**Sample ID: FL 15 @ 8' (H225880-15)**

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	12/15/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/15/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.20	103	6.00	4.53		
Total BTX	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500Cl-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 85.4 % 45.3-161

Surrogate: 1-Chlorooctadecane 85.7 % 46.3-178

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**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	PARKWAY 26 SWD LINE	Sampling Condition:	Cool & Intact
Project Number:	16333	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

**Sample ID: FL 16 @ 10' (H225880-16)**

BTEx 8021B		mg/kg		Analyzed By: JH/						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/15/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/15/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.20	103	6.00	4.53		
Total BTEx	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.1 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 17 @ 10' (H225880-17)**

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	12/15/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/15/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.20	103	6.00	4.53		
Total BTEx	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	720	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 90.8 % 45.3-161

Surrogate: 1-Chlorooctadecane 91.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 18 @ 12' (H225880-18)**

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	12/15/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/15/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.20	103	6.00	4.53		
Total BTEx	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 88.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 87.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 19 @ 12' (H225880-19)**

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	12/15/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/15/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.20	103	6.00	4.53		
Total BTEx	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 109 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/14/2022	ND	203	101	200	1.49	
DRO >C10-C28*	<10.0	10.0	12/14/2022	ND	213	107	200	1.36	
EXT DRO >C28-C36	<10.0	10.0	12/14/2022	ND					

Surrogate: 1-Chlorooctane 91.2 % 45.3-161

Surrogate: 1-Chlorooctadecane 94.6 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/13/2022  
 Reported: 12/16/2022  
 Project Name: PARKWAY 26 SWD LINE  
 Project Number: 16333  
 Project Location: MEWBOURNE

Sampling Date: 12/13/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: FL 20 @ 12' (H225880-20)**

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	12/15/2022	ND	2.07	103	2.00	3.64		
Toluene*	<0.050	0.050	12/15/2022	ND	2.08	104	2.00	2.86		
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.02	101	2.00	4.12		
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.20	103	6.00	4.53		
Total BTEx	<0.300	0.300	12/15/2022	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 90.0 % 45.3-161

Surrogate: 1-Chlorooctadecane 98.3 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	PARKWAY 26 SWD LINE	Sampling Condition:	Cool & Intact
Project Number:	16333	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

**Sample ID: FL 21 @ 12' (H225880-21)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 84.3 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.0 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	PARKWAY 26 SWD LINE	Sampling Condition:	Cool & Intact
Project Number:	16333	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

**Sample ID: FL 22 @ 12' (H225880-22)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTX	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/15/2022	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 102 % 45.3-161

Surrogate: 1-Chlorooctadecane 109 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received:	12/13/2022	Sampling Date:	12/13/2022
Reported:	12/16/2022	Sampling Type:	Soil
Project Name:	PARKWAY 26 SWD LINE	Sampling Condition:	Cool & Intact
Project Number:	16333	Sample Received By:	Shalyn Rodriguez
Project Location:	MEWBOURNE		

**Sample ID: FL 23 @ 12' (H225880-23)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/15/2022	ND	2.14	107	2.00	1.35	
Toluene*	<0.050	0.050	12/15/2022	ND	2.15	107	2.00	1.40	
Ethylbenzene*	<0.050	0.050	12/15/2022	ND	2.18	109	2.00	0.595	
Total Xylenes*	<0.150	0.150	12/15/2022	ND	6.63	110	6.00	0.564	
Total BTEx	<0.300	0.300	12/15/2022	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 69.9-140

Chloride, SM4500CI-B		mg/kg		Analyzed By: GM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	12/15/2022	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/15/2022	ND	242	121	200	16.5	
DRO >C10-C28*	<10.0	10.0	12/15/2022	ND	230	115	200	27.2	
EXT DRO >C28-C36	<10.0	10.0	12/15/2022	ND					

Surrogate: 1-Chlorooctane 85.1 % 45.3-161

Surrogate: 1-Chlorooctadecane 90.9 % 46.3-178

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Celey D. Keene, Lab Director/Quality Manager



---

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### Notes and Definitions

QR-04	The RPD for the BS/BSD was outside of historical limits.
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

**ARDINAL LABORATORIES**

**101 East Marland, Hobbs, NM 88240**

**(575) 393-2326 FAX (575) 393-2476**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## Routine

1 of 4

Company Name: Etech Environmental & Safety Solutions, Inc.				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																							
Project Manager: Lance Crenshaw				P.O. #:				<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																							
Address: 2617 W Marland				Company: Menbourne																											
City: Hobbs		State: NM		Zip: 88240		Attn: Jeff Broom																									
Phone #: (575) 264-9884		Fax #:		Address: 4801 Business Park Blvd		City: Hobbs																									
Project #: 16333		Project Owner: Menbourne		State: NM		Zip: 88240																									
Project Name: Parkway 26 SWD Line				Phone #:																											
Project Location:				Fax #:																											
Sampler Name: Matt Grieco																															
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 / GLOUT																							
								OTHER:																							
												DATE		TIME																	
1		FL 1e6		C		1								12-12-22																	
2		FL 2e6		C		1																									
3		FL 3e6		C		1																									
4		FL 4e6		C		1																									
5		FL 5e6		C		1																									
6		FL 6e6		C		1																									
7		FL 7e6		C		1																									
8		FL 8e6		C		1																									
9		FL 9e6		C		1																									
10		FL 10e6		C		1																									
<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: <i>E. May</i>				Date: 12-13-22				Received By: <i>Rodriguez</i>				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:															
				Time: 1557								Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:															
Relinquished By:				Date:				Received By:				REMARKS:																			
				Time:																											
Delivered By: (Circle One) <i>1.0</i> <i>C.O.U.</i>				Sample Condition				CHECKED BY:				Please email results and copy of CoC to pm@etechenv.com.																			
Sampler - UPS - Bus - Other: <i>0.4</i> <i>#113</i>				Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No				(Initials) <i>SR</i>																							

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## • CARDINAL LABORATORIES

**101 East Marland, Hobbs, NM 88240**

**(575) 393-2326 FAX (575) 393-2476**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

## Routine

2.f4

[illegible]



# **CARDINAL LABORATORIES**

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*Routine*

## **CHAIN-OF-CUSTODY AND ANALYSIS REQUEST**

*WILLOW 3 of 4*

Company Name: Etech Environmental & Safety Solutions, Inc.										<b>BILL TO</b>										<b>ANALYSIS REQUEST</b>																			
Project Manager: <i>Lance Crenshaw</i>										P.O. #:										<div style="display: flex; justify-content: space-around;"> <div>Chloride</div> <div>TPH (8015M)</div> <div>BTEX (8021B)</div> </div>																			
Address: 2617 W Marland										Company: <i>Mewbourne</i>																													
City: Hobbs State: NM Zip: 88240										Attn: <i>Jeff Broom</i>																													
Phone #: (575) 264-9884 Fax #:										Address: <i>4801 Business Pl, Hobbs</i>																													
Project #: <i>16333</i> Project Owner: <i>Mewbourne</i>										City: <i>Hobbs</i>																													
Project Name: <i>Parkway 26 SWD Line</i>										State: <i>NM</i> Zip: <i>88240</i>																													
Project Location:										Phone #:																													
Sampler Name: <i>Eric Mojica</i>										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 / <del>COOL</del>									
																				OTHER:																			
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<i>4225880</i>																																							
<i>12</i>										<i>FL 12e8</i>										<i>C 1</i>										<i>✓</i>									
<i>13</i>										<i>FL 13e8</i>										<i>C 1</i>										<i>✓</i>									
<i>14</i>										<i>FL 14e8</i>										<i>C 1</i>										<i>✓</i>									
<i>15</i>										<i>FL 15e8</i>										<i>C 1</i>										<i>✓</i>									
<i>16</i>										<i>FL 16e10</i>										<i>C 1</i>										<i>✓</i>									
<i>17</i>										<i>FL 17e10</i>										<i>C 1</i>										<i>✓</i>									
<i>18</i>										<i>FL 18e12</i>										<i>C 1</i>										<i>✓</i>									
<i>19</i>										<i>FL 19e12</i>										<i>C 1</i>										<i>✓</i>									
<i>20</i>										<i>FL 20e12</i>										<i>C 1</i>										<i>✓</i>									
<i>21</i>										<i>FL 21e12</i>										<i>C 1</i>										<i>✓</i>									
<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: <i>Eric Mojica</i>										Date: <i>12-13-22</i>										Received By: <i>Skodkiewicz</i>										Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No									
										Time: <i>1557</i>																				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No									
Relinquished By:										Date:										Received By:										REMARKS:									
										Time:																													
Delivered By: (Circle One) <i>10c) C.O.U.</i>										Sample Condition										CHECKED BY:										Please email results and copy of CoC to pm@etechenv.com.									
Sampler - UPS - Bus - Other: <i>0.4c #113</i>										Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No										(Initials) <i>SK</i>																			

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

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December 20, 2022

LANCE CRENSHAW

Etech Environmental & Safety Solutions

2617 W MARLAND

HOBBS, NM 88240

RE: PARKWAY 26

Enclosed are the results of analyses for samples received by the laboratory on 12/19/22 13:58.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-22-15. 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".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

Etech Environmental & Safety Solutions  
 LANCE CRENSHAW  
 2617 W MARLAND  
 HOBBS NM, 88240  
 Fax To:

Received: 12/19/2022  
 Reported: 12/20/2022  
 Project Name: PARKWAY 26  
 Project Number: 16333  
 Project Location: MEWBOURNE - EDDY CO

Sampling Date: 12/19/2022  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Tamara Oldaker

**Sample ID: FL 17 @ 11' (H225999-01)****Chloride, SM4500Cl-B****mg/kg****Analyzed By: GM**

Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>96.0</b>	16.0	12/19/2022	ND	400	100	400	3.92	

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



---

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---

### Notes and Definitions

ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

Cardinal Laboratories

\*=Accredited Analyte

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

---

Celey D. Keene, Lab Director/Quality Manager



**ARDINAL LABORATORIES**

**101 East Marland, Hobbs, NM 88240**

**(575) 393-2326 FAX (575) 393-2476**

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 1 of 1

Page 4 of 4

Company Name: Etech Environmental & Safety Solutions, Inc.				BILL TO				ANALYSIS REQUEST																															
Project Manager: Lance Crenshaw				P.O. #:				Chloride TPH (8015M) BTEX (8021B)																															
Address: 2617 West Marland				Company: Mewbourne																																			
City: Hobbs State: NM Zip: 88240				Attn: Connor Walker																																			
Phone #: (575) 264-9884 Fax #:				Address:																																			
Project #: 16333 Project Owner: Mewbourne				City:																																			
Project Name: Parkway 26				State: Zip:																																			
Project Location: Rural Eddy County, NM				Phone #:																																			
Sampler Name: Lance Crenshaw				Fax #:																																			
FOR LAB USE ONLY				MATRIX		PRESERV.														SAMPLING																			
Lab I.D.		Sample I.D.																																					
H225999		FL17 @ 11'		C 1		X														X														12/19/22		X		RUSH	
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.																																							
Relinquished By: [Signature]				Date: 12-19-22		Received By: [Signature]				Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Phone #:																									
Relinquished By:				Time: 1358		Received By:				Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No				Add'l Fax #:																									
				Date:						REMARKS:  <b>RUSH SAMPLE</b> Please email results and copy of CoC to pm@etechenv.com.																													
				Time:																																			
Delivered By: (Circle One)				#113		Sample Condition				CHECKED BY: (Initials)																													
Sampler - UPS - Bus - Other:				4.0°C/3.4°C		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No				[Signature]																													

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## **Appendix E**

### **Regulatory Correspondence**

**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 105464

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 105464
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
jharimon	When submitting future reports regarding this release, please submit the calculations used or specific justification for the volumes reported on the initial C-141	5/10/2022

---

**From:** OCDOnline@state.nm.us <OCDOnline@state.nm.us>  
**Sent:** Wednesday, November 30, 2022 9:29 AM  
**To:** Connor Walker <cwalker@mewbourne.com>  
**Subject:** [EXT] The Oil Conservation Division (OCD) has rejected the application, Application ID: 134735

To whom it may concern (c/o Connor Walker for MEWBOURNE OIL CO),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAPP2212962315, for the following reasons:

- **The entire spill area is in high karst, so the closure criteria that would apply is 600 mg/kg on Chlorides and 100 mg/kg on TPH. Please make sure all floor samples and sidewall samples are below these limits.**
- **The OCD does not approve a variance to install a liner. If indeed there is a historic pit at this site, the OCD will require delineation of the pit area and photographic evidence of a historic liner as well as any other data which determines the location and depth of the pit.**
- **Please resubmit a Remediation Plan within 30 days including the signed and dated corresponding C-141 pages.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 134735.

Please review and make the required correction(s) prior to resubmitting.

If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

Thank you,  
Jocelyn Harimon  
Environmental Specialist  
575-748-1283  
[Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)

**New Mexico Energy, Minerals and Natural Resources Department**  
1220 South St. Francis Drive  
Santa Fe, NM 87505

---

**From:** Harimon, Jocelyn, EMNRD <Jocelyn.Harimon@emnrd.nm.gov>  
**Sent:** Friday, December 16, 2022 2:39 PM  
**To:** Connor Walker <cwalker@mewbourne.com>  
**Cc:** Lance Crenshaw <lance@etechnv.com>; Jeff Broom <jbroom@mewbourne.com>; Bratcher, Michael, EMNRD <mike.bratcher@emnrd.nm.gov>; Hamlet, Robert, EMNRD <Robert.Hamlet@emnrd.nm.gov>; Nobui, Jennifer, EMNRD <Jennifer.Nobui@emnrd.nm.gov>  
**Subject:** RE: [EXTERNAL] nAPP2212962315 - Parkway 26 SWD Line

RE: Incident # **nAPP2212962315**

**Connor,**

Your request for an extension to **January 30, 2023** is approved. Please include this e-mail correspondence in the remediation and/or closure report.

**Jocelyn Harimon** • Environmental Specialist  
Environmental Bureau  
EMNRD - Oil Conservation Division  
1220 South St. Francis Drive | Santa Fe, NM 87505  
(505)469-2821 | [Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)  
[http:// www.emnrd.nm.gov](http://www.emnrd.nm.gov)



---

**From:** Connor Walker <[cwalker@mewbourne.com](mailto:cwalker@mewbourne.com)>  
**Sent:** Friday, December 16, 2022 11:57 AM  
**To:** Harimon, Jocelyn, EMNRD <[Jocelyn.Harimon@emnrd.nm.gov](mailto:Jocelyn.Harimon@emnrd.nm.gov)>  
**Cc:** Lance Crenshaw <[lance@etechnv.com](mailto:lance@etechnv.com)>; Jeff Broom <[jbroom@mewbourne.com](mailto:jbroom@mewbourne.com)>  
**Subject:** [EXTERNAL] nAPP2212962315 - Parkway 26 SWD Line

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

Jocelyn,

We are working on digging the rest of this out, and we had one sample come back from the lab that was over 600ppm on chlorides. My contractor, Etech, will be out there Monday to dig out the one bad portion, but they have told me they have a lot of their staff off for the holidays, and may be running a little slower than normal.

We were not planning to do a revised work plan since we are digging it all out to closure criteria, but should have the work done by next week. But to get the closure report done, we will need some more time for the paperwork side of things.

We would like to request a 30 day extension to January 30, 2023 to finish this remediation and submit a closure report.

Thank you for your time and have a wonderful holiday!

Thank you,

**Connor Walker** | Sr. Engineer  
Mewbourne Oil Company  
Cell: (806) 202-5281  
Email: [cwalker@mewbourne.com](mailto:cwalker@mewbourne.com)





**District I**  
1625 N. French Dr., Hobbs, NM 88240  
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**District II**  
811 S. First St., Artesia, NM 88210  
Phone:(575) 748-1283 Fax:(575) 748-9720  
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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 180909

CONDITIONS

Operator: MEWBOURNE OIL CO P.O. Box 5270 Hobbs, NM 88241	OGRID: 14744
	Action Number: 180909
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2212962315 PARKWAY 26 SWD LINE, thank you. This closure is approved.	5/26/2023