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December 3, 2024

Mike Bratcher  
District Supervisor  
Oil Conservation Division, District 2  
811 S. First Street  
Artesia, New Mexico 88210

Re: **Site Remediation and Deferral Request  
Devon Energy Production Company  
Shetland 11 CTB 1  
Unit D, Section 11, Township 26S, Range 31E  
Site Coordinates: 32.053023, -103.749823  
Eddy County, New Mexico  
Incident ID: nAPP2421847577**

## **Introduction**

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Remediation and Deferral Request for submittal to the New Mexico Oil Conservation Division (NMCOD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for release number: nAPP2421847577 – Shetland 11 CTB 1 (Site). The Site is in Unit Letter D, Section 11, of Township 26 South and Range 31 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.053023° N latitude and 103.749823° W longitude. The site location with respect to the nearest town is shown on Figure 1 and the topography of the area is shown on Figure 2.

## **Background**

Based on the Release Notification C-141 Form, the release was discovered on August 05, 2024, and was due to an equipment failure. Upon discovery, the Site was shut-in and repairs ensued. The spill resulted in a release of approximately twenty-nine (29) barrels (bbls) of produced water of which twenty (20) bbls of produced water were recovered for an approximate net loss of nine (9) bbls of produced water. The release area is shown on Figure 3.

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## **Groundwater and Site Characterization**

Based on a review of the New Mexico Office of State Engineers and USGS databases the (3) three closest groundwater wells [i.e., C-04637 POD1 (0.89 miles away), C-04801 POD1 (1.58 miles away), and C-04209 POD-1 (2.03 miles away)] indicate that the average depth to groundwater is 190 feet (ft) below ground surface (bgs). No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a medium Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is attached to the report.

NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMCA) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

### ***General Site Characterization and Groundwater:***

Site Characterization	Average Groundwater Depth (ft)
Medium Karst	190

**Table 3.1 Closure Criteria for Soils Impacted by a Release (NMAC 19.15.29.12 & 19.15.29.13)**

Regulatory Standard	Chloride	TPH (GRO+DRO+MRO)	GRO+DRO	BTEX	Benzene
19.15.23.12 Remediation and Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg

Notes:

--- = not defined

## **Initial Soil Delineation Assessment Summary and Findings**

On August 21, 2024, NTGE conducted site assessment activities to assess the extent of impacts at the Site. Six (6) vertical sample points (V-1 through V-6) were installed within the release area, while nine (9) horizontal sample points (H-1 through H-9) were installed adjacent to the release area in order to characterize the impacts. Soil samples were collected at half-foot (0.5) to one (1) foot (ft) intervals from depths ranging from zero (0) to four and a half (4.5) ft below ground surface (bgs) with a geotechnical hand auger. The hand auger was decontaminated with Alconox® and deionized water between soil samples to prevent cross-contamination.

Soil samples were placed directly into laboratory provided samples containers, placed on ice, and transported under proper chain-of-custody protocol to Cardinal Laboratories in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) (by EPA Method 8021B), total petroleum hydrocarbon (TPH) (by EPA Method 8015 modified), and chloride (Method SM4500Cl-B). Analytical results indicated that chloride concentrations exceeded the NMOCD regulatory limits in the area of V-1 to a depth of four and a half (4.5) ft bgs, V-2, V-5,

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and V-6 to a depth of one and half (1.5) ft bgs, and V-3 and V-4 to a depth of a half foot (0.5) ft bgs. All remaining samples were below NMOCD regulatory limits for analysis analyzed.

On August 27, 2024, NTGE returned to Site to complete the vertical delineation assessment of the release. A total of one (1) vertical delineation sample point (V-1) was reinstalled within the release area and collected at one (1) ft intervals to a maximum depth of six and a half (6.5) ft bgs. Analytical results indicated that all delineation samples were below NMOCD regulatory criteria.

Analytical results are included Table 1, while soil boring locations are shown on Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

### **Remedial Action Activities and Confirmation Sampling**

Based on the analytical results, Devon proceeded with the remedial actions at the Site to include the excavation and disposal of impacted soils above the regulatory limits. The release area was excavated to a depth of one (1) ft bgs in the areas of V-3 and V-4, a depth of two (2) ft bgs in the areas of V-2, V-5, and V-6, and a depth of six (6) ft bgs in the area of V-1.

After initial excavation activities, NTGE was on site October 2, 2024, to collect twenty-one (21) composite base samples (CS-1 to CS-21) and thirteen (13) sidewall composite samples (SW-1 to SW-13) to ensure impacted soil was removed. The confirmation samples collected represent an area no greater than 200 square feet and were analyzed for BTEX (EPA Methods 8021B), TPH (EPA Method 8015 modified), and chloride (Method MS4500Cl-b). Laboratory analytical methods and chain-of-custody documents are attached. Analytical results indicated that fourteen (14) composite samples (CS-3, CS-4, CS-6, CS-7, CS-9, CS-10, CS-12, CS-13, CS-15 through CS-20, and CS-21) had chloride concentrations above the NMOCD standards and ranged from 688 milligrams per kilogram (mg/Kg) for soil sample CS-19 to 14,000 mg/Kg for soil sample CS-21. Seven (7) sidewall samples (SW-3, SW-6 through SW-9, SW-12, and SW-13) exceeded the NMOCD chloride standards ranging from 1,230 mg/Kg for soil sample SW-3 to 16,600 mg/Kg for soil sample SW-7. All other analysis were below laboratory method detection limits (MDL).

After further excavation activities, NTGE was on site October 14, 2024, to collect fifteen (15) composite base samples (CS-3, CS-4, CS-6, CS-7, CS-10, CS-12, CS-13, CS-14, CS-15, CS-16, CS-17, CS-18, CS-19, CS-22, and CS-23) and four (4) sidewall samples (SW-14, SW-15, SW-16, and SW-17) to complete remediation. Soil samples were delivered to Cardinal Labs for analysis of BTEX, TPH, and chlorides. Analytical results indicated that four (4) composite samples (CS-10, CS-12, CS-13, and CS-23) had chloride analysis above the NMOCD standards and ranged from 1,020 mg/Kg for soil sample CS-13 to 3,160 mg/Kg for soil sample CS-23. One (1) sidewall sample (SW-16) exceeded the NMOCD chloride standard with a concentration of 1,060 mg/Kg.

After further excavation activities, NTGE was on site November 6, 2024, to collect four (4) composite base samples (CS-10, CS-12, CS-13, and CS-23) and one (1) sidewall sample (SW-16) to complete remediation. Soils samples were delivered to Cardinal Labs for analysis of BTEX, TPH, and chlorides. Analytical results indicated that all the samples were below the NMOCD standards for all analytes analyzed.

With the completion of the remediation, one (1) area denoted by soil samples CS-21, SW-7 through SW-9, and SW-13 still have chloride impacts. The soil could not be remediated due to the

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proximity to onsite equipment and for stability purposes and will remain in-situ until time of abandonment or upgrades to the facility which ever occur first. The final excavation extent and confirmation sample locations are shown on Figure 4, while deferral area and delineation samples are shown on Figure 5. Analytical results of the confirmation samples and delineation samples are included in Table 2.

### **Deferral Request**

Devon personnel have expressed that the excavation area represented by V-1 and soil samples CS-2, SW-7 through SW-9, and SW-13 cannot be expanded vertically or horizontally due to the presence of facility infrastructure (i.e., separators and headers) and associated safety concerns in further encroaching on the infrastructure. The equipment and soil remaining in-situ are shown on Figure 5. On behalf of Devon, NTG Environmental formally requests a deferral to address the remaining soil impacts at the time of facility decommissioning or in the event infrastructure modifications are made in the area that would alleviate the safety concerns. Should the deferral be granted, a remedial action report documenting excavation expansion and confirmation sampling activities will be prepared and filed following completion of the future remediation at the site.

If you have any questions regarding this letter, please contact us at (432)-701-2159.

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager

Jeff Kindley, P.G.  
Senior Project Manager

Attachments:

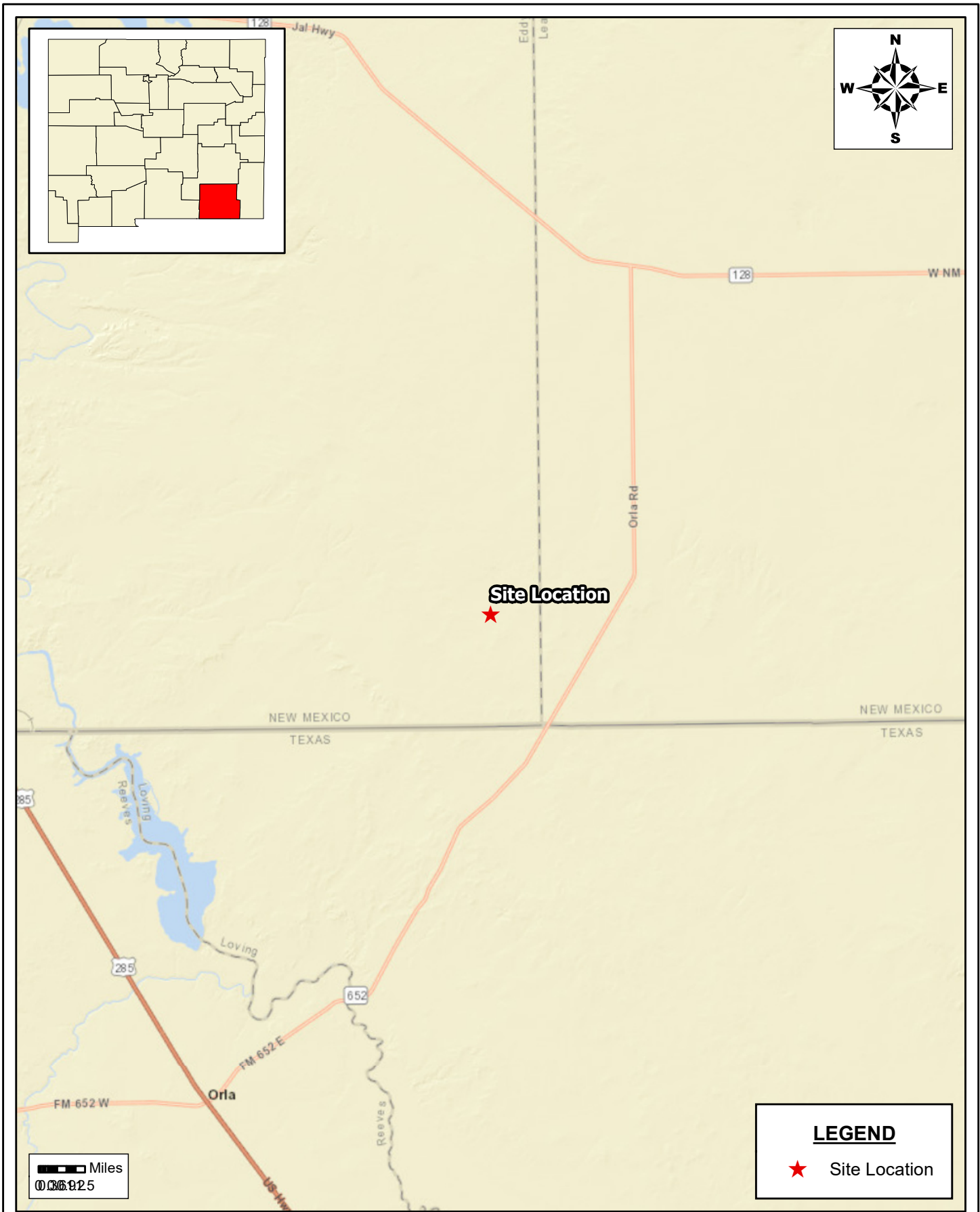
- Tables
- Figures
- Site Characterization Documentation
- Photographic Log
- Laboratory Reports and Chain-of-Custody Documents




## **FIGURES**

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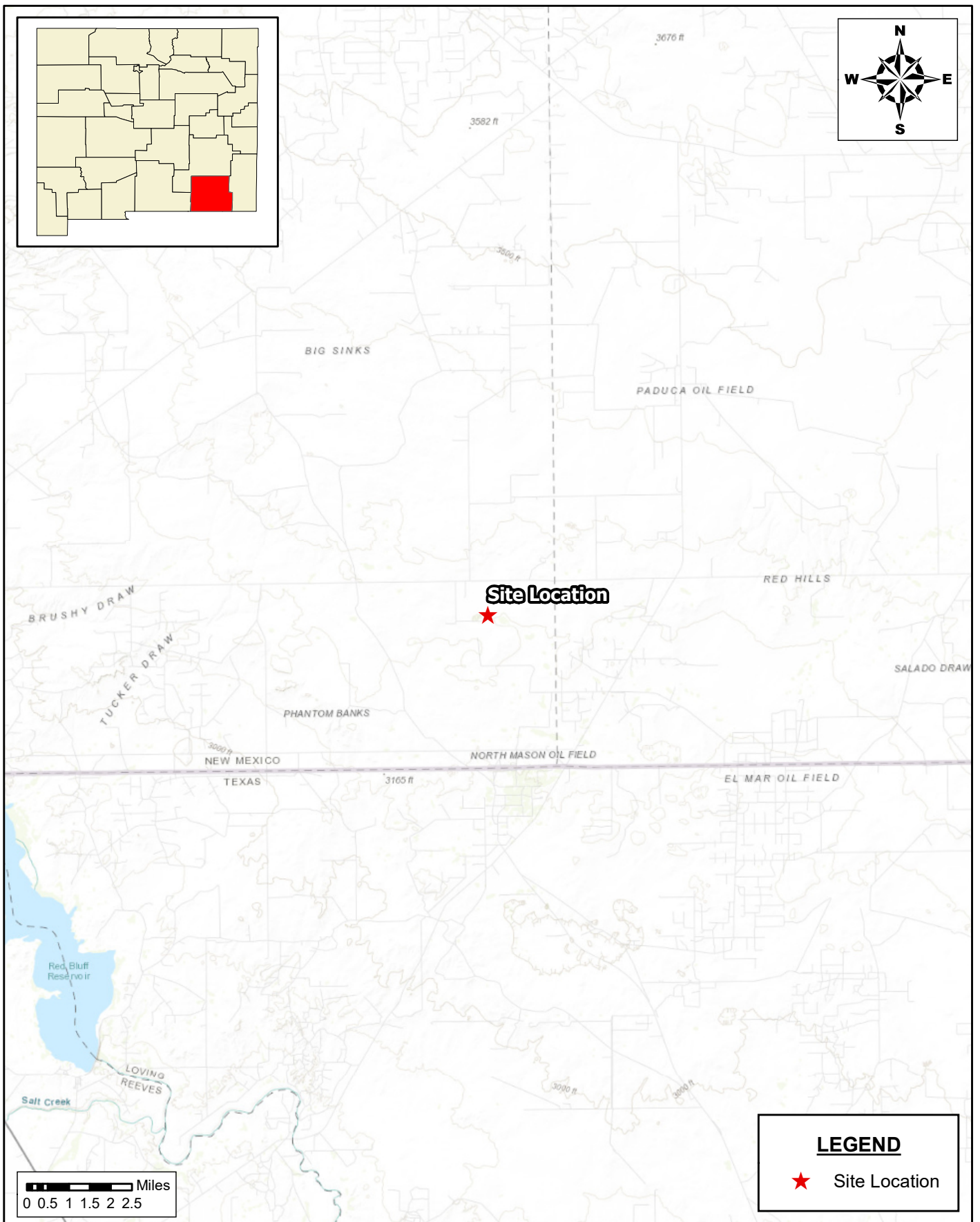
<b>SITE LOCATION MAP</b> <b>SITE REMEDIATION AND DEFERRAL REQUEST</b> SHETLAND 11 CTB 1 DEVON ENERGY PRODUCTION COMPANY EDDY COUNTY, NEW MEXICO		
SCALE: As Shown	Date: 8/26/2024	PROJECT #: 249027

 <b>New Tech Global Environmental, LLC</b> 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenviroinmental.com
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<b>NOTES:</b> 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983
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DRAWING NUMBER: <b>FIGURE 1</b>
SHEET NUMBER: <b>1 of 1</b>

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**SITE LOCATION MAP**  
**SITE REMEDIATION AND DEFERRAL REQUEST**  
SHETLAND 11 CTB 1  
DEVON ENERGY PRODUCTION COMPANY  
EDDY COUNTY, NEW MEXICO

SCALE: As Shown | Date: 8/19/2024 | PROJECT #: 249027



**New Tech Global Environmental, LLC**  
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Houston, Texas 77060  
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**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

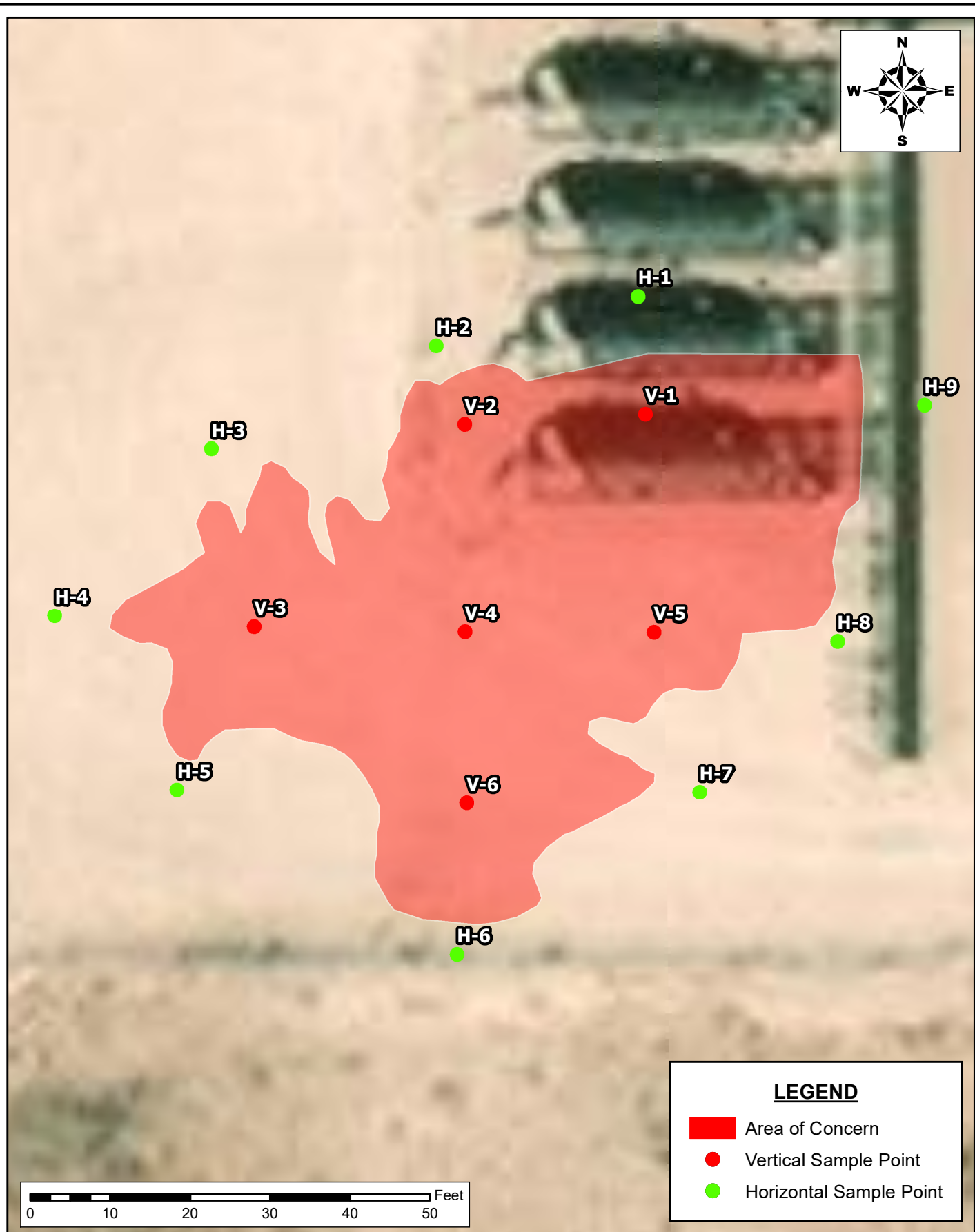
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**FIGURE 2**

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**INITIAL ASSESSMENT MAP**  
**SITE REMEDIATION AND DEFERRAL REQUEST**  
SHETLAND 11 CTB 1  
DEVON ENERGY PRODUCTION COMPANY  
EDDY COUNTY, NEW MEXICO

SCALE: As Shown    Date: 9/4/2024    PROJECT #: 249027

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**NOTES:**

1. Base Image: ESRI Maps & Data 2013
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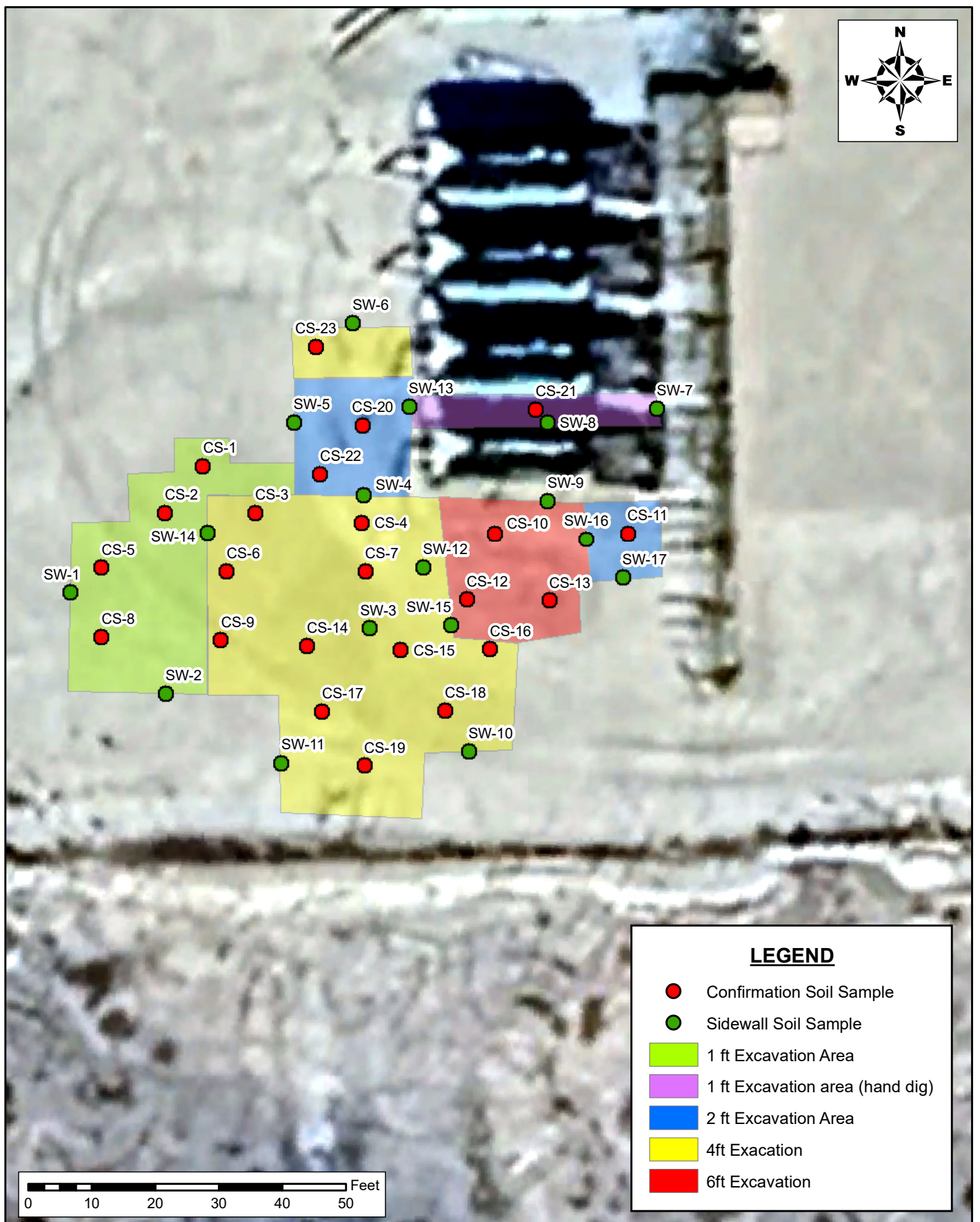
**FIGURE 3**

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**FINAL CONFIRMATION MAP  
SITE REMEDIATION AND DEFERRAL REQUEST  
SHETLAND 11 CTB 1  
DEVON ENERGY PRODUCTION COMPANY EDDY  
COUNTY, NEW MEXICO**

SCALE: As Shown

Date: 11/11/2024

PROJECT #: 249027



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**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

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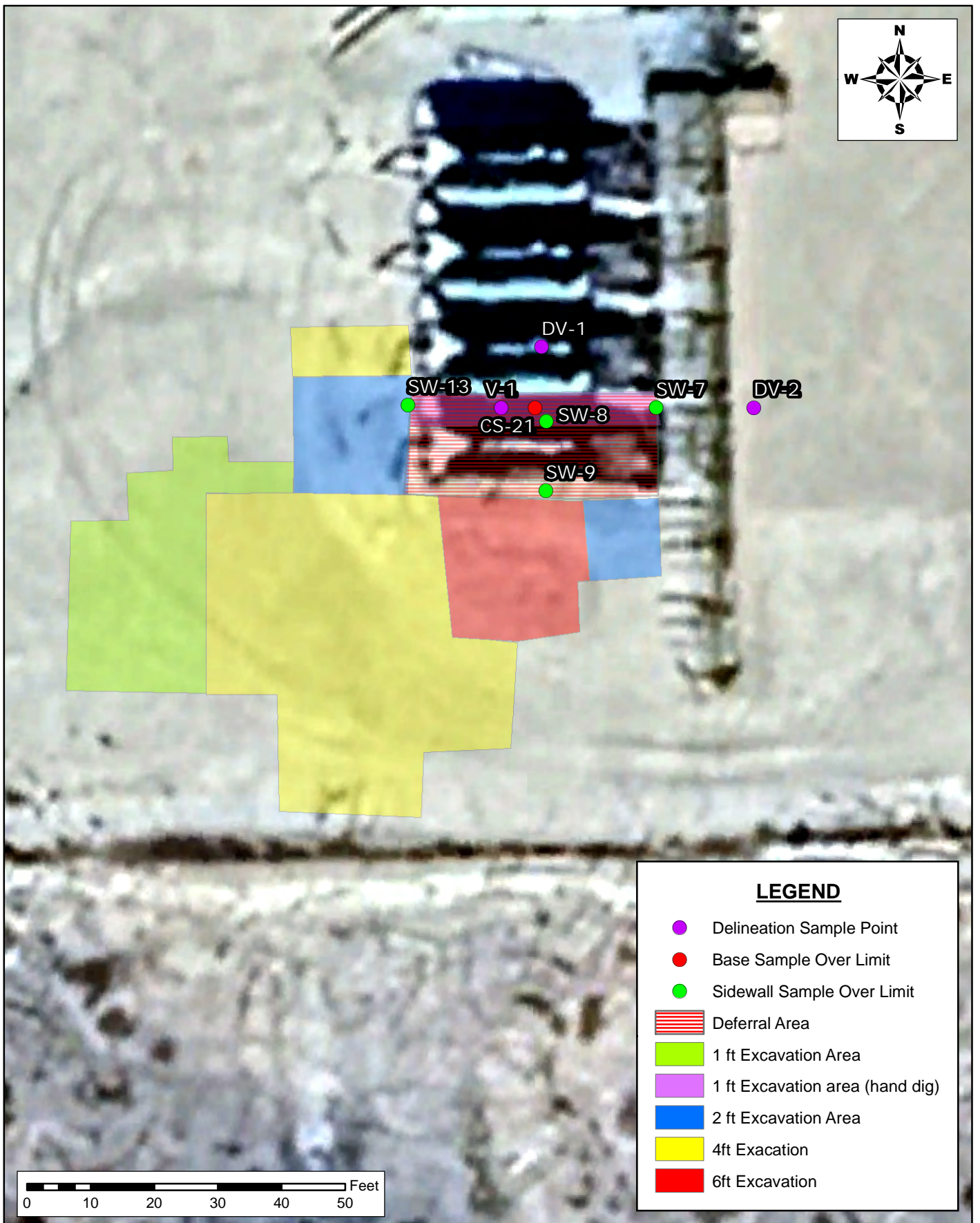
**FIGURE 4**

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**1 of 1**



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**DEFERRAL MAP  
SITE CHARACTERIZATION AND REMEDIATION  
DEFERRAL REPORT  
SHETLAND 11 CTB 1  
DEVON ENERGY PRODUCTION COMPANY  
EDDY COUNTY, NEW MEXICO**

SCALE: As Shown    Date: 1/3/2025    PROJECT #: 249027



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**NOTES:**

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983

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**FIGURE 5**

SHEET NUMBER:

**1 of 1**



## **TABLES**

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Shetland 11 CTB 1**  
**Devon Energy Production Company**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Vertical Delineation Samples													
V-1	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,580
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,710
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,200
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,440
	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,280
	8/27/2024	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,040
V-2	8/27/2024	6-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,440
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,360
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
V-3	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	7,680
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
V-4	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,000
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
V-5	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	18,800
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	704
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	336
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
V-6	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	15,200
	8/21/2024	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,440
	8/21/2024	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
	8/21/2024	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
	8/21/2024	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	352
Horizontal Delineation Samples													
H-1	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
H-2	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
H-3	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
H-4	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
H-5	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
H-6	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-7	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-8	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
H-9	8/21/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

1. Values reported in mg/kg

2. &lt; = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

SP-4

 Sample Point Excavated

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site. (Surface to 4 Feet Below Grade).

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (&gt; 4 Feet Below Grade).

9. --- Not Analyzed

Table 2  
Summary of Soil Analytical Data - Confirmation Samples  
Shetland 11 CTB 1  
Devon Energy Production Company  
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Base Confirmation Samples													
CS-1	10/2/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-2	10/2/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-3	<del>10/2/2024</del>	<del>1</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	2,080
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
CS-4	<del>10/2/2024</del>	<del>1</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	3,760
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
CS-5	10/2/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-6	<del>10/2/2024</del>	<del>1</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	4,120
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
CS-7	<del>10/2/2024</del>	<del>1</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	10,600
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-8	10/2/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
CS-9	<del>10/2/2024</del>	<del>1</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	2,480
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-10	<del>10/2/2024</del>	<del>2</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	5,400
	<del>10/14/2024</del>	<del>4</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	2,360
	11/6/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-11	10/2/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-12	<del>10/2/2024</del>	<del>2</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	5,600
	<del>10/14/2024</del>	<del>4</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	1,320
	11/6/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
CS-13	<del>10/2/2024</del>	<del>2</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	1,640
	<del>10/14/2024</del>	<del>4</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	1,020
	11/6/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-14	<del>10/2/2024</del>	<del>2</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	304
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-15	<del>10/2/2024</del>	<del>2</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	816
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
CS-16	<del>10/2/2024</del>	<del>2</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	2,760
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
CS-17	<del>10/2/2024</del>	<del>2</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	2,920
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
CS-18	<del>10/2/2024</del>	<del>2</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	<del>&lt;10.0</del>	1,420
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240

Table 2  
Summary of Soil Analytical Data - Confirmation Samples  
Shetland 11 CTB 1  
Devon Energy Production Company  
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
CS-19	10/2/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
	10/14/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
CS-20	10/2/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
CS-21	10/2/2024	1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	14,000
CS-22	10/14/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
CS-23	10/14/2024	2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,160
	11/6/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
Sidewall Confirmation Samples													
SW-1	10/2/2024	0-1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-2	10/2/2024	0-1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SW-3	10/2/2024	1-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,230
SW-4	10/2/2024	2-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
SW-5	10/2/2024	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
SW-6	10/2/2024	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	4,400
	10/14/2024	0-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
SW-7	10/2/2024	0-1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16,600
SW-8	10/2/2024	0-1	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.8	11.8	<10.0	11.8	10,800
SW-9	10/2/2024	0-6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,120
SW-10	10/2/2024	0-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW-11	10/2/2024	0-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-12	10/2/2024	1-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,730
SW-13	10/2/2024	1-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	3,000
SW-14	10/14/2024	1-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-15	10/14/2024	4-6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
SW-16	10/14/2024	2-4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,060
	11/6/2024	2-6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
SW-17	10/14/2024	0-2	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0

**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Shetland 11 CTB 1**  
**Devon Energy Production Company**  
**Eddy County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Deferral Samples													
DV-1	12/5/20204	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/5/20204	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/5/20204	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	12/5/20204	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/5/20204	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/5/20204	5-5.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/5/20204	6-6.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
DV-2	12/5/20204	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	12/5/20204	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	12/5/20204	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	12/5/20204	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/5/20204	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	12/5/20204	5-5.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	12/5/20204	6-6.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

## Notes:

1. Values reported in mg/kg

2. &lt; = Value Less Than Reporting Limit (RL)

3. Bold indicates Analyte Detected

4. BTEX analyses by EPA Method SW 8021B

5. TPH analyses by EPA Method SW 8015 Mod.

6. GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (&gt; 4 Feet Below Grade).

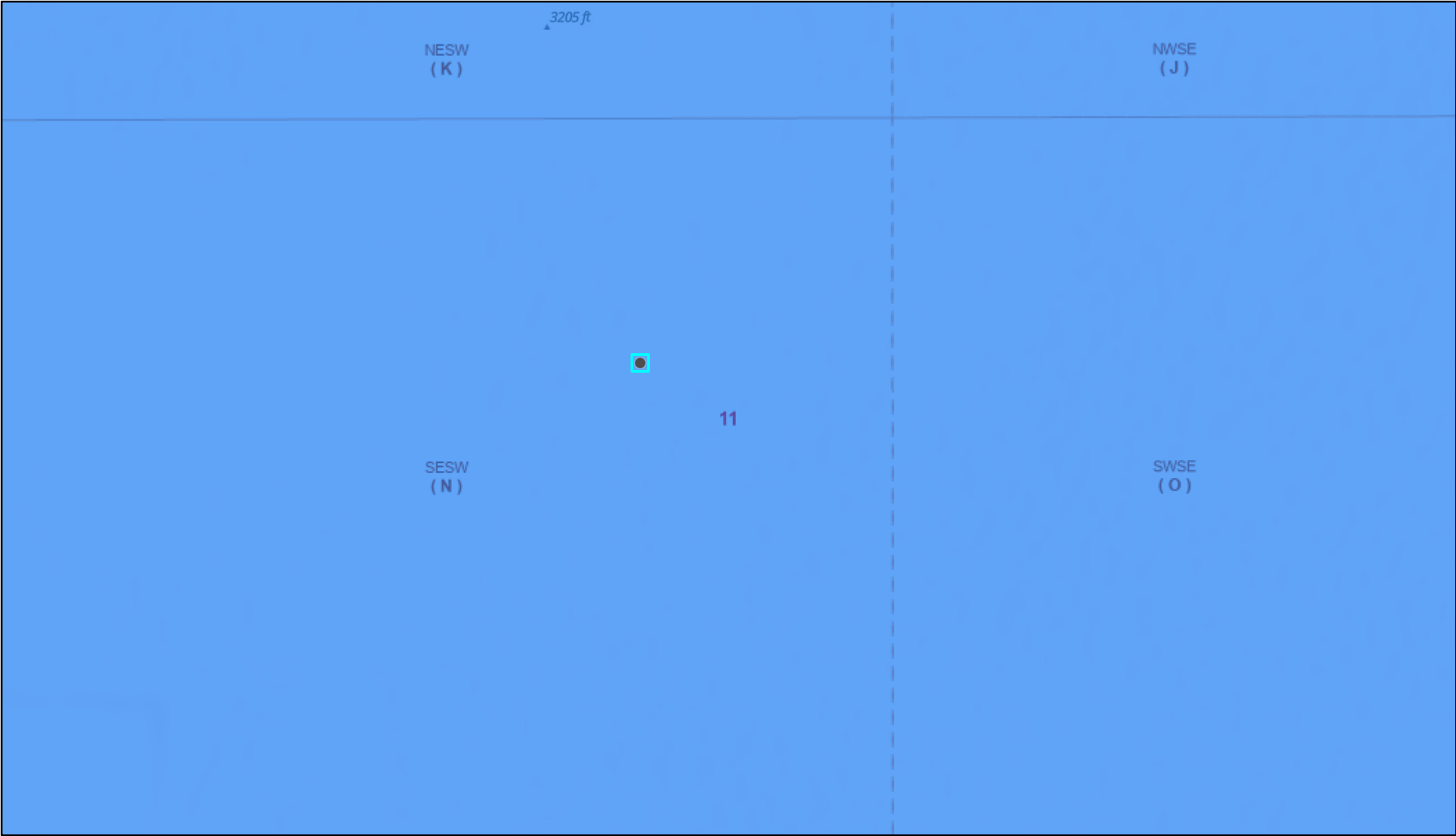
9. --- Not Analyzed

SP-1	Sample Point Excavated
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## **ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION**

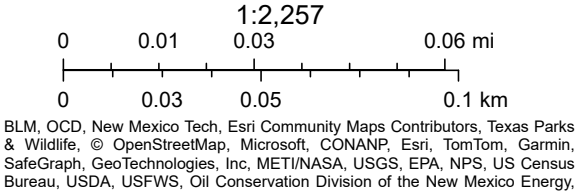


# OCD Well Locations



8/13/2024, 10:51:00 AM

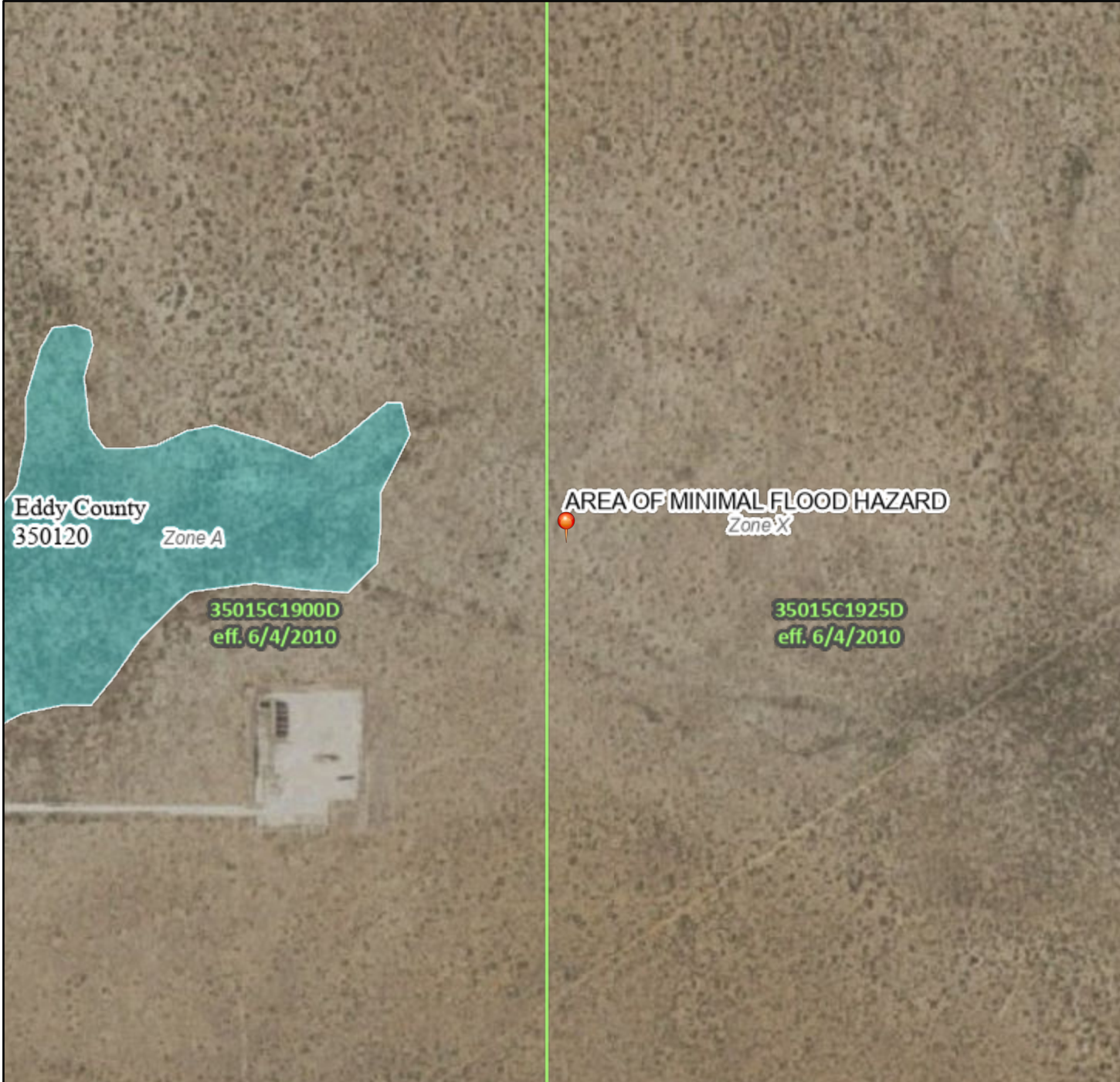
Karst Occurrence Potential  
Medium  
PLSS Second Division  
PLSS First Division



# National Flood Hazard Layer FIRMMette



103°45'18"W 32°3'26"N



0 250 500 1,000 1,500 2,000 Feet

1:6,000

103°44'41"W 32°2'56"N

Released to Imaging: 4/1/2025 8:24:48 AM

Basemap Imagery Source: USGS National Map 2023

## Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 8/13/2024 at 12:49 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.





## Wetlands Map



November 22, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond

- Lake
- Other
- Riverine

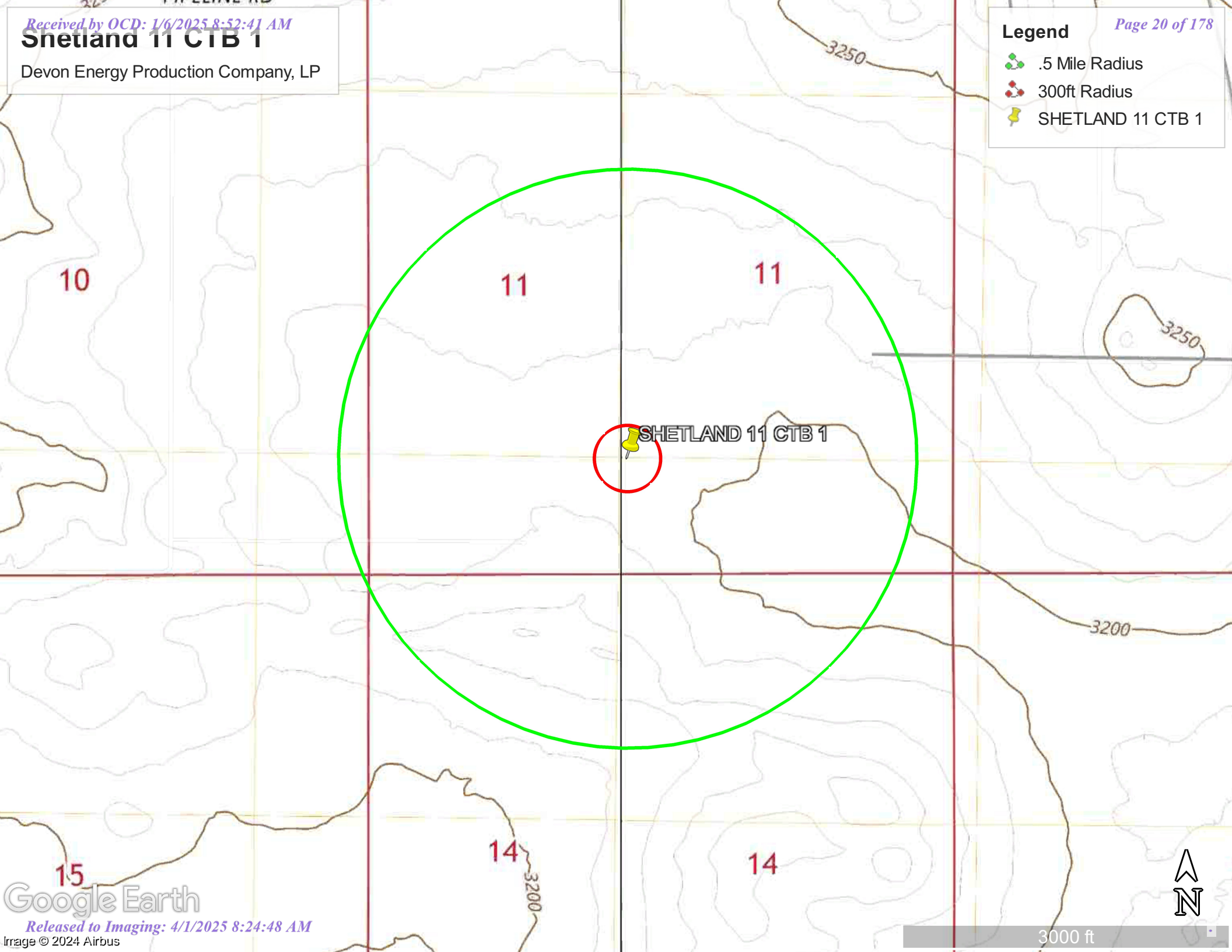
This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

# Shetland 11 CTB 1

Devon Energy Production Company, LP

## Legend

-  .5 Mile Radius
-  300ft Radius
-  SHETLAND 11 CTB 1









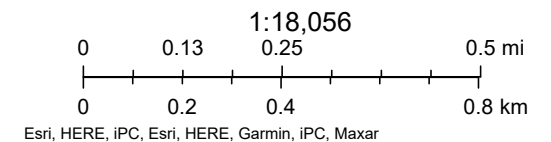


## OSE POD Location Map



8/13/2024, 10:44:33 AM

-  Override 1
-  Pending
-  OSE District Boundary
- GIS WATERS PODs
-  Active
-  Water Right Regulations
-  Artesian Planning Area




Point of Diversion Summary

=SW 4=SE

largest

NAD83 UTM in meters

Q4	Sec	Tws	Rng	X	Y	Map
SW	06	26S	32E	620902.7	3548619.8	

: ELITE DRILLERS CORPORATION

2018-05-01

Plug Date:

Source: Shallow

ize: Estimated Yield: 25


360 Depth Water: 155



Point of Diversion Summary

=SW 4=SE  
largest

NAD83 UTM in meters

Q4	Sec	Tw	Rng	X	Y	Map
SW	02	26S	31E	618067.5	3548423.6	

: ATKINS ENGINEERING ASSOC. INC.

: 2022-06-15 Plug Date: 2022-07-19

Source:

ize: Estimated Yield: 0


51 Depth Water:

## Point of Diversion Summary

=SW 4=SE

largest

NAD83 UTM in meters

Q4	Sec	Tws	Rng	X	Y	Map
SE	13	26S	31E	620283.6	3545858.5	

: KEY'S DRILLING & PUMP SERVICE

: 2024-05-31

Plug Date:

Source: Shallow

Size: Estimated Yield: 10

280 Depth Water: 225

## **ATTACHMENT B: PHOTOGRAPHIC LOG**

## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 1**

**Facility:** Shetland 11 CTB 1

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern with excavation.

**Photograph No. 2**

**Facility:** Shetland 11 CTB 1

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern with excavation.

**Photograph No. 3**

**Facility:** Shetland 11 CTB 1

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern with excavation.





## PHOTOGRAPHIC LOG

### Devon Energy Production Company

**Photograph No. 4**

**Facility:** Shetland 11 CTB 1

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern with excavation.

**Photograph No. 5**

**Facility:** Shetland 11 CTB 1

**County:** Eddy County, New Mexico

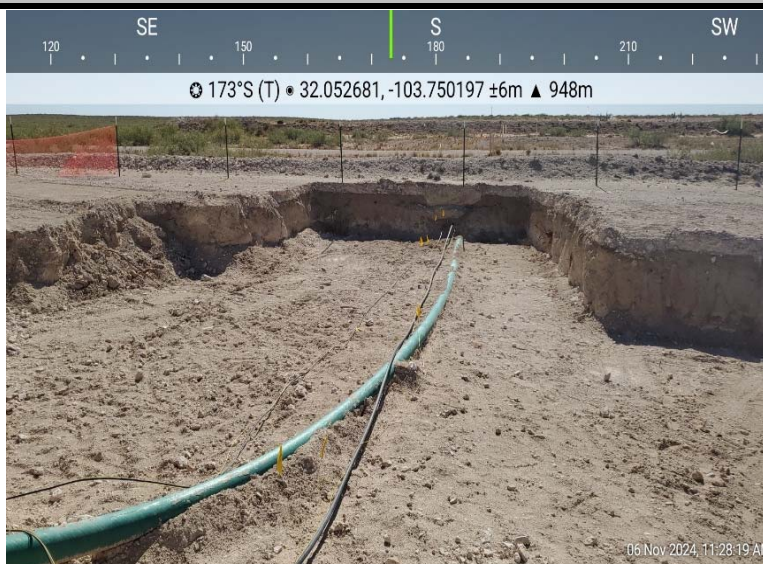
**Description:**  
Area of Concern with excavation.

**Photograph No. 6**

**Facility:** Shetland 11 CTB 1

**County:** Eddy County, New Mexico

**Description:**  
Area of Concern with excavation.





## PHOTOGRAPHIC LOG

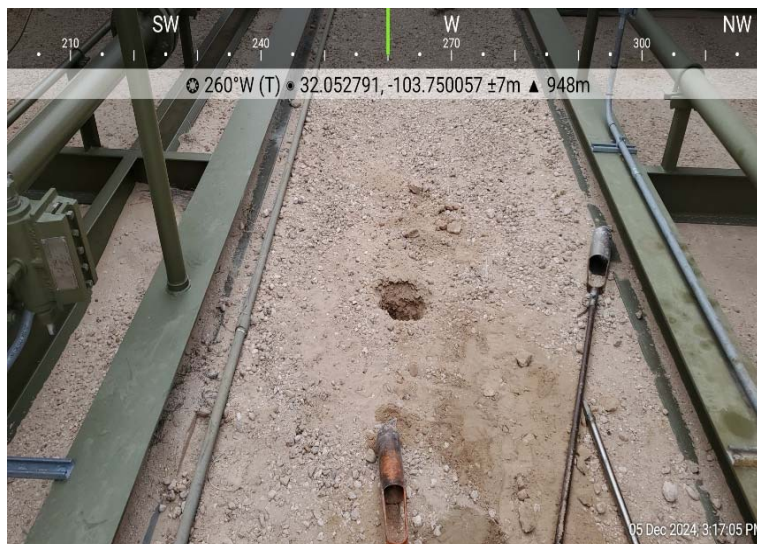
### Devon Energy Production Company

**Photograph No. 7**

**Facility:** Shetland 11 CTB 1

**County:** Eddy County, New Mexico

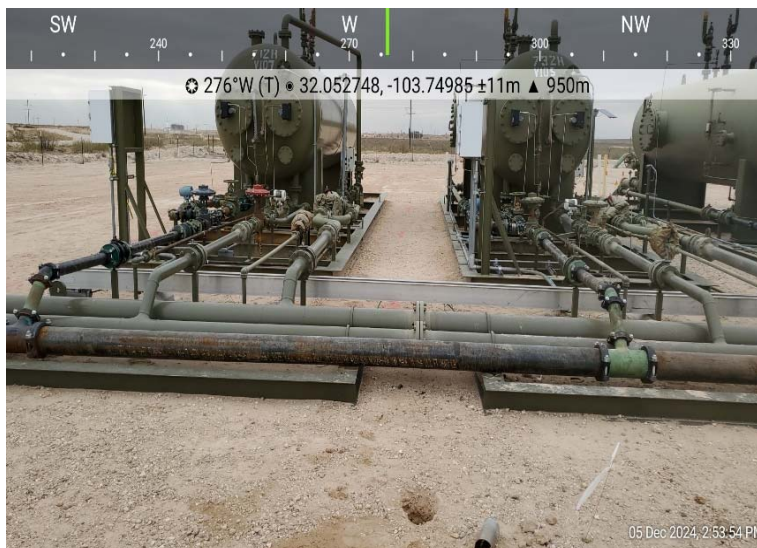
**Description:**  
View of Deferral Sampling

**Photograph No. 8**

**Facility:** Shetland 11 CTB 1

**County:** Eddy County, New Mexico

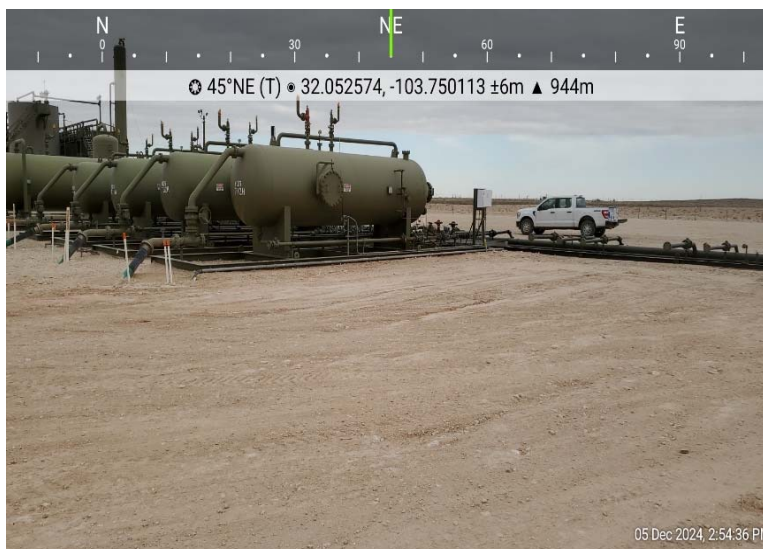
**Description:**  
View of Deferral Sampling

**Photograph No. 9**

**Facility:** Shetland 11 CTB 1

**County:** Eddy County, New Mexico

**Description:**  
View of Backfill Excavation





**ATTACHMENT C: LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS**

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

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August 26, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHETLAND 11 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 08/21/24 14:05.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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 "Mike Snyder". The signature is fluid and cursive, with the first name "Mike" and last name "Snyder" clearly distinguishable.

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 1 ( 0-6 ) (H245093-01)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEx	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.3 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1580	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 141 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 1 1-1.5 (H245093-02)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEx	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1710	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 1 2-2.5 (H245093-03)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3200	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 1 3-3.5 (H245093-04)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2440	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 96.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 1 4-4.5 (H245093-05)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2280	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 2 0-6 (H245093-06)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEx	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3440	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 98.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 2 1-1.5 (H245093-07)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1360	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	219	109	200	3.39	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	213	107	200	4.22	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 123 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 2 2-2.5 (H245093-08)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 2 3-3.5 (H245093-09)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 2 4-4.5 (H245093-10)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEx	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 3 0-6 (H245093-11)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.5 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	7680	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 3 1-1.5 (H245093-12)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 3 2-2.5 (H245093-13)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 3 3-3.5 (H245093-14)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 115 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 3 4-4.5 (H245093-15)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 4 0-6 (H245093-16)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.2 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	6000	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 4 1-1.5 (H245093-17)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 4 2-2.5 (H245093-18)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	08/23/2024	ND	416	104	400	7.41		

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	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 4 3-3.5 (H245093-19)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEx	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 4 4-4.5 (H245093-20)**

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	08/23/2024	ND	1.98	99.0	2.00	2.15		
Toluene*	<0.050	0.050	08/23/2024	ND	1.90	94.8	2.00	1.77		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	1.94	97.0	2.00	1.25		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	5.76	96.0	6.00	1.37		
Total BTEX	<0.300	0.300	08/23/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 5 0-6 (H245093-21)**

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEx	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	18800	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 5 1-1.5 (H245093-22)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	704	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 5 2-2.5 (H245093-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	336	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 5 3-3.5 (H245093-24)**

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 5 4-4.5 (H245093-25)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 6 0-6 (H245093-26)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15200	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 6 1-1.5 (H245093-27)**

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1440	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	194	96.8	200	2.04	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	196	97.9	200	2.43	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 6 2-2.5 (H245093-28)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919	
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85	
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81	
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34	
Total BTEX	<0.300	0.300	08/23/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	400	16.0	08/23/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 96.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 6 3-3.5 (H245093-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEx	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: V - 6 4-4.5 (H245093-30)**

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEx	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	352	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 1 0-6 (H245093-31)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 2 0-6 (H245093-32)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 85.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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\*=Accredited Analyte

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 3 0-6 (H245093-33)**

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.4 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 4 0-6 (H245093-34)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEx	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 82.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 5 0-6 (H245093-35)**

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.8 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 6 0-6 (H245093-36)**

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	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 82.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 7 0-6 (H245093-37)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEx	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/22/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/22/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/22/2024	ND					

Surrogate: 1-Chlorooctane 85.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 8 0-6 (H245093-38)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	08/23/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 73.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.6 % 49.1-148

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Mike Snyder For Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/21/2024  
 Reported: 08/26/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/21/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 9 0-6 (H245093-39)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	08/23/2024	ND	2.16	108	2.00	0.919		
Toluene*	<0.050	0.050	08/23/2024	ND	2.22	111	2.00	1.85		
Ethylbenzene*	<0.050	0.050	08/23/2024	ND	2.25	113	2.00	1.81		
Total Xylenes*	<0.150	0.150	08/23/2024	ND	6.96	116	6.00	1.34		
Total BTEX	<0.300	0.300	08/23/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	08/23/2024	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	08/23/2024	ND	232	116	200	2.17	
DRO >C10-C28*	<10.0	10.0	08/23/2024	ND	217	108	200	2.31	
EXT DRO >C28-C36	<10.0	10.0	08/23/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.1 % 49.1-148

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Mike Snyder For 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

---

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A handwritten signature in black ink, appearing to read "Mike Snyder", is written over a horizontal line.

---

Mike Snyder For 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 42 of 45

Released to Imaging: 4/1/2025 8:24:48 AM

Company Name: NTGE				BILL TO				ANALYSIS REQUEST																	
Project Manager: Ethan Sassums				P.O. #: 213 83836																					
Address: 209 West McKay St				Company: Devon																					
City: Carlsbad State: NM Zip: 88220				Attn:																					
Phone #: Fax #:				Address:																					
Project #: 249027 Project Owner: Devon				City:																					
Project Name: Shetland II CTB I				State: Zip:																					
Project Location: Eddy County				Phone #:																					
Sampler Name: Clayton Turnes				Fax #:																					
FOR LAB USE ONLY	Lab I.D.	Sample I.D.		(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.		SAMPLING		BTEx TPH Chloride													
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :		ACID/BASE: ICE / COOL OTHER :		DATE TIME															
H245003				0	1					8/21															
1		V-1 (0-6)		0	1	X																			
2		V-1 1-1.5		1	1																				
3		V-1 2-2.5		1	1																				
4		V-1 3-3.5		1	1																				
5		V-1 4-4.5		1	1																				
6		V-2 0-6		1	1																				
7		V-2 1-1.5		1	1																				
8		V-2 2-2.5		1	1																				
9		V-2 3-3.5		1	1																				
10		V-2 4-4.5		1	1																				
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: 8-21-24		Received By: [Signature]				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:															
Relinquished By: [Signature]				Time: 1405		Received By: [Signature]				All Results are emailed. Please provide Email address:															
				Date:						REMARKS:															
				Time:																					
Delivered By: (Circle One)				Observed Temp. °C -0.1		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) AD		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush		Bacteria (only) Sample Condition <input checked="" type="checkbox"/> Cool <input type="checkbox"/> Intact		Observed Temp. °C											
Sampler - UPS - Bus - Other:				Corrected Temp. °C -0.7		<input type="checkbox"/> Yes <input type="checkbox"/> No				Thermometer ID #140 Correction Factor -0.6°C		<input type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C											



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTGE</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <b>Ethan Sessums</b>				P.O. #: <b>21383836</b>															
Address: <b>209 West McKay St</b>				Company: <b>DEVON</b>															
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>				Attn:															
Phone #: _____ Fax #: _____				Address:															
Project #: <b>249027</b> Project Owner: <b>Devon</b>				City:															
Project Name: <b>Shetland II, CTB 1</b>				State: _____ Zip: _____															
Project Location: <b>Eddy County</b>				Phone #: _____															
Sampler Name: <b>Claudio Thomas</b>				Fax #: _____															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		(GRAB OR (C)OMP. # CONTAINERS)	MATRIX				PRESERV.		SAMPLING		<b>BTEX</b> <b>TPH</b> <b>Chloride</b>						
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL					OTHER:	DATE	TIME
<b>H245093</b>		<b>V-3</b>	<b>0-6</b>	<b>6</b>			<b>X</b>						<b>8/21</b>						
<b>11</b>		<b>V-3</b>	<b>1-1.5</b>																
<b>12</b>		<b>V-3</b>	<b>2-2.5</b>																
<b>13</b>		<b>V-3</b>	<b>3-3.5</b>																
<b>14</b>		<b>V-3</b>	<b>4-4.5</b>																
<b>15</b>		<b>V-3</b>	<b>0-6</b>																
<b>16</b>		<b>V-4</b>	<b>1-1.5</b>																
<b>17</b>		<b>V-4</b>	<b>2-2.5</b>																
<b>18</b>		<b>V-4</b>	<b>3-3.5</b>																
<b>19</b>		<b>V-4</b>	<b>4-4.5</b>																
<b>20</b>		<b>V-4</b>																	

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: _____	Date: <b>8-21-24</b>	Received By: _____	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <b>1405</b>	Time: _____	Time: _____	All Results are emailed. Please provide Email address:
Relinquished By: _____	Date: _____	Received By: _____	REMARKS:
Time: _____	Time: _____	Time: _____	

Delivered By: (Circle One)	Observed Temp. °C <b>-0.1°C</b>	Sample Condition	CHECKED BY: (Initials) <b>AD</b>	Turnaround Time: <b>Standard</b>	Bacteria (only)	Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <b>-0.7°C</b>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Rush</b>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Observed Temp. °C
				Thermometer ID #140		Corrected Temp. °C
				Correction Factor -0.6°C		

FORM-006 R 3.3 06/03/24

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



† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTGE</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																																	
Project Manager: <b>Ethan Sessums</b>				P.O. #: <b>2128-026</b>				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chloride</div> </div>																																	
Address: <b>209 West McKay St</b>				Company: <b>Devon</b>																																					
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>				Attn:																																					
Phone #: Fax #:				Address:																																					
Project #: <b>219027</b> Project Owner: <b>Devon</b>				City:																																					
Project Name: <b>Shetland II CTB I</b>				State: Zip:																																					
Project Location: <b>Eddy County</b>				Phone #:																																					
Sampler Name: <b>Clayton Turner</b>				Fax #:																																					
FOR LAB USE ONLY																																									
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX		PRESERV.		SAMPLING																													
								GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
<b>H245003</b>																																									
31		H-1		0-6		6																																			
32		H-2		0-6																																					
33		H-3		0-6																																					
34		H-4		0-6																																					
35		H-5		0-6																																					
36		H-6		0-6																																					
37		H-7		0-6																																					
38		H-8		0-6																																					
39		H-9		0-6																																					

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:		Date: <b>08-21-24</b>		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By:		Date: <b>1405</b>		Received By:		All Results are emailed. Please provide Email address:	
Relinquished By:		Date: <b>1405</b>		Received By:		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C		Sample Condition		CHECKED BY: (Initials)	
Sampler - UPS - Bus - Other:		Corrected Temp. °C		Cool Intact		Turnaround Time: <b>Standard</b>	
FORM-006 R 3.3 08/03/24		-0.1°C		<input type="checkbox"/> Yes <input type="checkbox"/> No		<b>Rush</b>	
		-0.7°C		<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140	
						Correction Factor -0.6°C	
						Bacteria (only) Sample Condition	
						Cool Intact Observed Temp. °C	
						<input type="checkbox"/> Yes <input type="checkbox"/> No	
						Corrected Temp. °C	
						<input type="checkbox"/> Yes <input type="checkbox"/> No	

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)





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

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September 03, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHETLAND 11 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 08/27/24 12:35.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/27/2024  
 Reported: 09/03/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/27/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 1 (5-5.5') (H245204-01)**

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	08/29/2024	ND	2.21	111	2.00	2.31	
Toluene*	<0.050	0.050	08/29/2024	ND	2.02	101	2.00	3.11	
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.13	106	2.00	4.02	
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.65	111	6.00	3.90	
Total BTX	<0.300	0.300	08/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2040	16.0	08/28/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	195	97.5	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	193	96.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 08/27/2024  
 Reported: 09/03/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 08/27/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: V - 1 (6-6.5') (H245204-02)**

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	08/29/2024	ND	2.21	111	2.00	2.31		
Toluene*	<0.050	0.050	08/29/2024	ND	2.02	101	2.00	3.11		
Ethylbenzene*	<0.050	0.050	08/29/2024	ND	2.13	106	2.00	4.02		
Total Xylenes*	<0.150	0.150	08/29/2024	ND	6.65	111	6.00	3.90		
Total BTEX	<0.300	0.300	08/29/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	08/28/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	08/29/2024	ND	195	97.5	200	1.16	
DRO >C10-C28*	<10.0	10.0	08/29/2024	ND	193	96.7	200	2.77	
EXT DRO >C28-C36	<10.0	10.0	08/29/2024	ND					

Surrogate: 1-Chlorooctane 68.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 49.1-148

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", is written over a horizontal line.

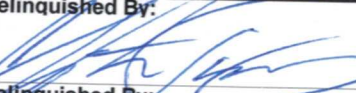
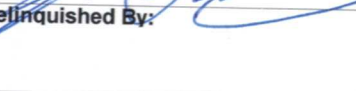
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Celey D. Keene, Lab Director/Quality Manager



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

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTGE</b> Project Manager: <b>Ethan Sessums</b> Address: <b>209 West McKay St</b> City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b> Phone #:                      Fax #: Project #: <b>249027</b> Project Owner: Project Name: <b>Shetland II CTBI</b> Project Location: <b>Eddy Co</b> Sampler Name: <b>Clayton T</b>				<b>BILL TO</b> P.O. #: <b>21383836</b> Company: <b>Devon</b> Attn: Address: City: State:                      Zip: Phone #: Fax #:				<b>ANALYSIS REQUEST</b>																
FOR LAB USE ONLY  <b>Lab I.D.</b>  <b>H245204</b> <b>1</b> <b>2</b>		<b>Sample I.D.</b>  <b>V-1 (5-5.5)</b> <b>V-1 (6-6.5)</b>		(G/RAB OR (C)OMP. <b>6</b> <b>↓</b>	# CONTAINERS <b>1</b> <b>↓</b>	<b>MATRIX</b> GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:					<b>PRESERV.</b> DATE TIME		TPH BTEX Chloride											
						X X					8/27 8/27		X X X											
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:  Date: <b>8/27</b> Time: <b>12:35</b>				Received By: <b>Shodeioney</b> Received By:				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #: All Results are emailed. Please provide Email address: REMARKS:																
Relinquished By:  Date: Time:				Received By:																				
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C Corrected Temp. °C		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		CHECKED BY: (Initials) <b>SK</b>		Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/> Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C																





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

---

October 04, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHETLAND 11 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 10/02/24 14:22.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-1 (H245990-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/03/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.44	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	183	91.7	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 98.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-2 (H245990-02)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.44	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	183	91.7	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-3 (H245990-03)**

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	10/03/2024	ND	2.05	102	2.00	6.75		
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2080	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.44	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	183	91.7	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 94.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-4 (H245990-04)**

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	10/03/2024	ND	2.05	102	2.00	6.75		
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99		
Total BTEX	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3760	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.44	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	183	91.7	200	6.21	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 96.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-5 (H245990-05)**

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	10/03/2024	ND	2.05	102	2.00	6.75		
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/03/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-6 (H245990-06)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4120	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-7 (H245990-07)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	10600	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-8 (H245990-08)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/03/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 88.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-9 (H245990-09)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2480	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-10 (H245990-10)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5400	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-11 (H245990-11)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	10/03/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-12 (H245990-12)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTX	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5600	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-13 (H245990-13)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTX	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1640	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-14 (H245990-14)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-15 (H245990-15)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-16 (H245990-16)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2760	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-17 (H245990-17)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2920	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.5 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-18 (H245990-18)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1420	16.0	10/03/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-19 (H245990-19)**

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	10/03/2024	ND	2.05	102	2.00	6.75	
Toluene*	<0.050	0.050	10/03/2024	ND	2.11	106	2.00	6.91	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	2.14	107	2.00	6.81	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	6.37	106	6.00	6.99	
Total BTEx	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	10/03/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-20 (H245990-20)**

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	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	10/03/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS-21 (H245990-21)**

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	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEx	<0.300	0.300	10/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	14000	16.0	10/03/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-1 (H245990-22)**

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	10/03/2024	ND	1.75	87.4	2.00	0.229	
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37	
Total BTX	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/03/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.2 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-2 (H245990-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/03/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 97.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.7 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-3 (H245990-24)**

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	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	10/03/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	191	95.6	200	3.00	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	191	95.3	200	3.31	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-4 (H245990-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	464	16.0	10/03/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 82.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-5 (H245990-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/03/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-6 (H245990-27)**

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	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	4400	16.0	10/03/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 98.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-7 (H245990-28)**

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	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTX	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16600	16.0	10/03/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-8 (H245990-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	10800	16.0	10/03/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	11.8	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-9 (H245990-30)**

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	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEx	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5120	16.0	10/03/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-10 (H245990-31)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEX	<0.300	0.300	10/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	10/03/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 99.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-11 (H245990-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEX	<0.300	0.300	10/03/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/03/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-12 (H245990-33)**

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	10/03/2024	ND	1.75	87.4	2.00	0.229	
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559	
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995	
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37	
Total BTEX	<0.300	0.300	10/03/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1730	16.0	10/03/2024	ND	448	112	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/02/2024  
 Reported: 10/04/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/02/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW-13 (H245990-34)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/03/2024	ND	1.75	87.4	2.00	0.229		
Toluene*	<0.050	0.050	10/03/2024	ND	1.82	91.1	2.00	0.559		
Ethylbenzene*	<0.050	0.050	10/03/2024	ND	1.94	97.2	2.00	0.995		
Total Xylenes*	<0.150	0.150	10/03/2024	ND	5.91	98.6	6.00	1.37		
Total BTEX	<0.300	0.300	10/03/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3000	16.0	10/03/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/03/2024	ND	195	97.5	200	1.64	
DRO >C10-C28*	<10.0	10.0	10/03/2024	ND	186	93.1	200	2.02	
EXT DRO >C28-C36	<10.0	10.0	10/03/2024	ND					

Surrogate: 1-Chlorooctane 98.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager





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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 37 of 40

Company Name: <u>NTLE</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																				
Project Manager: <u>Ethan Selms</u>		P.O. #: <u>21383836</u>		<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">           Chlorides BTEX         </div> </div>																				
Address: <u>209 W McWay</u>		Company:																						
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn:																						
Phone #: <u>254-266-5456</u> Fax #:		Address:																						
Project #: <u>249827</u> Project Owner: <u>DeJen</u>		City:																						
Project Name: <u>Shetland</u>		State: Zip:																						
Project Location: <u>Eddy County</u>		Phone #:																						
Sampler Name: <u>Tyler Kimball</u>		Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME										
<u>1245920</u>	<u>CS-1</u>	<u>C</u>	<u>1</u>			<u>X</u>							<u>10-2-24</u>	<u>12:00</u>										
<u>1654330</u>	<u>CS-2</u>																							
<u>1654330</u>	<u>CS-3</u>																							
<u>1654330</u>	<u>CS-4</u>																							
<u>1654330</u>	<u>CS-5</u>																							
<u>1654330</u>	<u>CS-6</u>																							
<u>1654330</u>	<u>CS-7</u>																							
<u>1654330</u>	<u>CS-8</u>																							
<u>1654330</u>	<u>CS-9</u>																							
<u>1654330</u>	<u>CS-10</u>																							

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Relinquished By: <u>[Signature]</u>	Date: <u>10-2-24</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
Time: <u>2:22</u>			All Results are emailed. Please provide Email address:
Relinquished By: <u>[Signature]</u>	Date: <u>10-2-24</u>	Received By: <u>[Signature]</u>	REMARKS:
Time: <u>2:22</u>			
Delivered By: (Circle One) Sampler - UPS - Bus - Other:	Observed Temp. °C <u>09.0</u> Corrected Temp. °C <u>08.0</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 48
	CHECKED BY: (Initials) <u>AD</u>	Thermometer ID #140 Correction Factor -0.6°C	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 38 of 40

Company Name: <u>NTE</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>														
Project Manager: <u>Ethan Sessions</u>				P.O. #: <u>21383836</u>				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">STEEL</div> </div>														
Address: <u>209 W McWay</u>				Company:																		
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn:																		
Phone #: <u>254-266-5456</u> Fax #:				Address:																		
Project #: <u>249827</u> Project Owner: <u>DeJen</u>				City:																		
Project Name: <u>Shetland</u>				State: Zip:																		
Project Location: <u>Eddy County</u>				Phone #:																		
Sampler Name: <u>Cyber Kimball</u>				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME								
<u>H250900</u>	<u>CS-11</u>	<u>C</u>	<u>1</u>			<u>X</u>							<u>10-2-24</u>	<u>12:15</u>								
<u>12</u>	<u>CS-12</u>																					
<u>13</u>	<u>CS-13</u>																					
<u>14</u>	<u>CS-14</u>																					
<u>15</u>	<u>CS-15</u>																					
<u>16</u>	<u>CS-16</u>																					
<u>17</u>	<u>CS-17</u>																					
<u>18</u>	<u>CS-18</u>																					
<u>19</u>	<u>CS-19</u>																					
<u>20</u>	<u>CS-20</u>																					

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Relinquished By: <u>[Signature]</u>		Date: <u>10-2-24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <u>2:22</u>		Time: <u>2:22</u>		All Results are emailed. Please provide Email address:			
Relinquished By:		Date:		Received By:		REMARKS:	
Time:							
Delivered By: (Circle One)		Observed Temp. °C <u>09.2</u>		Sample Condition		Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>0.32</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials) <u>AD</u>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Thermometer ID #140	
						Correction Factor -0.6°C	
						Corrected Temp. °C	

FORM-006 R 3.3 08/03/24

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTLE</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>											
Project Manager: <b>Ethan Sessions</b>				P.O. #: <b>21383836</b>				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>											
Address: <b>209 W McWay</b>				Company:															
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>				Attn:															
Phone #: <b>254-266-5456</b> Fax #:				Address:															
Project #: <b>249827</b> Project Owner: <b>DeJen</b>				City:															
Project Name: <b>Shetland</b>				State: Zip:															
Project Location: <b>Eddy County</b>				Phone #:															
Sampler Name: <b>Tyler Kimball</b>				Fax #:															
FOR LAB USE ONLY																			
Lab I.D.		Sample I.D.		G/RAB OR (COMP. # CONTAINERS)		MATRIX		PRESERV.		SAMPLING									
						GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:		ACID/BASE: ICE / COOL OTHER:		DATE TIME									
<b>Hay 5090</b>		<b>CS-21</b>		<b>1</b>		<b>X</b>		<b>✓</b>		<b>10-2-24 12:30</b>									
<b>21</b>		<b>SW-1</b>																	
<b>22</b>		<b>SW-2</b>																	
<b>23</b>		<b>SW-3</b>																	
<b>24</b>		<b>SW-4</b>																	
<b>25</b>		<b>SW-5</b>																	
<b>26</b>		<b>SW-6</b>																	
<b>27</b>		<b>SW-7</b>																	
<b>28</b>		<b>SW-8</b>																	
<b>29</b>		<b>SW-9</b>																	
<b>30</b>																			

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Relinquished By:		Date: <b>10-2-24</b>		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <b>2:22</b>		Time:		All Results are emailed. Please provide Email address:			
Relinquished By:		Date:		Received By:		REMARKS:	
Time:							
Delivered By: (Circle One)		Observed Temp. °C <b>0.0</b>		Sample Condition		Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <b>0.3</b>		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials) <b>AD</b>		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> No	
						Thermometer ID #140	
						Correction Factor -0.6°C <b>48</b>	
						Observed Temp. °C	
						Corrected Temp. °C	

FORM-006 R 3.3 06/03/24

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTGE</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>														
Project Manager: <b>Ethan Seamus</b>				P.O. #: <b>21383836</b>				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> </div>														
Address: <b>209 W McWay</b>				Company:																		
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>				Attn:																		
Phone #: <b>254-266-5456</b> Fax #:				Address:																		
Project #: <b>249827</b> Project Owner: <b>DeJern</b>				City:																		
Project Name: <b>Shetland</b>				State: Zip:																		
Project Location: <b>Eddy County</b>				Phone #:																		
Sampler Name: <b>Cyber Kimball</b>				Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING														
Lab I.D.	Sample I.D.	GRAB OR (COMP. #)	CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME								
<b>H045990</b>	<b>SW-10</b>	<b>C</b>	<b>1</b>			<b>X</b>				<b>✓</b>			<b>6-2-24</b>	<b>12:45</b>								
<b>31</b>	<b>SW-11</b>	<b>C</b>	<b>1</b>			<b>X</b>							<b>1</b>	<b>1</b>								
<b>32</b>	<b>SW-12</b>	<b>C</b>	<b>1</b>			<b>X</b>																
<b>33</b>	<b>SW-13</b>																					
<b>34</b>																						

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Relinquished By:		Date: <b>6-2-24</b>		Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <b>2:22</b>		Time: <b>2:22</b>				All Results are emailed. Please provide Email address:	
Relinquished By:		Date:		Received By:		REMARKS:	
Time:							
Delivered By: (Circle One)		Observed Temp. °C <b>0.9°C</b>		Sample Condition		Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <b>0.3°C</b>		Cool Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No		Bacteria (only) Sample Condition	
				CHECKED BY: (Initials) <b>AP</b>		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
						Thermometer ID #140	
						Correction Factor -0.6°C <b>48</b>	
						Corrected Temp. °C	

FORM-000 R 3.5 08/03/24

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October 16, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHETLAND 11 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 10/14/24 15:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 3 (H246243-01)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/16/2024	ND	2.03	102	2.00	2.65	
Toluene*	<0.050	0.050	10/16/2024	ND	2.04	102	2.00	1.89	
Ethylbenzene*	<0.050	0.050	10/16/2024	ND	2.12	106	2.00	1.94	
Total Xylenes*	<0.150	0.150	10/16/2024	ND	6.35	106	6.00	1.59	
Total BTEX	<0.300	0.300	10/16/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	10/15/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 78.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 4 (H246243-02)**

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	10/15/2024	ND	2.10	105	2.00	0.913	
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718	
Total BTX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	10/15/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 71.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 60.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 6 (H246243-03)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEX	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	576	16.0	10/15/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 82.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 7 (H246243-04)**

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	10/15/2024	ND	2.10	105	2.00	0.913	
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718	
Total BTEX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	10/15/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 79.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 67.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 9 (H246243-05)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEX	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/15/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 77.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 65.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 10 (H246243-06)**

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	10/15/2024	ND	2.10	105	2.00	0.913	
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718	
Total BTEX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	10/15/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 73.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 12 (H246243-07)**

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	10/15/2024	ND	2.10	105	2.00	0.913	
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718	
Total BTX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1320	16.0	10/15/2024	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 79.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 13 (H246243-08)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEX	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1020	16.0	10/15/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 14 (H246243-09)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEX	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/15/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	216	108	200	8.09	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	199	99.7	200	10.7	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 15 (H246243-10)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEx	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/15/2024	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 67.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 16 (H246243-11)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEX	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	10/16/2024	ND	432	108	400	3.64	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 72.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 17 (H246243-12)**

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	10/15/2024	ND	2.10	105	2.00	0.913	
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718	
Total BTEX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 79.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 18 (H246243-13)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEx	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	10/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 19 (H246243-14)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEx	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 22 (H246243-15)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEx	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 23 (H246243-16)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEX	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3160	16.0	10/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 71.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 59.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 6 (H246243-17)**

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	10/15/2024	ND	2.10	105	2.00	0.913	
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718	
Total BTEX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 14 (H246243-18)**

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	10/15/2024	ND	2.10	105	2.00	0.913	
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718	
Total BTEX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	10/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 85.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 15 (H246243-19)**

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	10/15/2024	ND	2.10	105	2.00	0.913	
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718	
Total BTEX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 16 (H246243-20)**

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	10/15/2024	ND	2.10	105	2.00	0.913	
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354	
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676	
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718	
Total BTEX	<0.300	0.300	10/15/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1060	16.0	10/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 78.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 63.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 10/14/2024  
 Reported: 10/16/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - EDDY CO, NM

Sampling Date: 10/14/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 17 (H246243-21)**

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	10/15/2024	ND	2.10	105	2.00	0.913		
Toluene*	<0.050	0.050	10/15/2024	ND	2.03	101	2.00	0.354		
Ethylbenzene*	<0.050	0.050	10/15/2024	ND	2.05	103	2.00	0.676		
Total Xylenes*	<0.150	0.150	10/15/2024	ND	6.11	102	6.00	0.718		
Total BTEX	<0.300	0.300	10/15/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/16/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/15/2024	ND	198	99.2	200	7.85	
DRO >C10-C28*	<10.0	10.0	10/15/2024	ND	205	102	200	8.91	
EXT DRO >C28-C36	<10.0	10.0	10/15/2024	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

---

Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTBE</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																		
Project Manager: <u>Ethan Sessions</u>				P.O. #: <u>21383836</u>				<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTIX</div> </div>																		
Address: <u>20a W McWay</u>				Company:																						
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn:																						
Phone #: <u>2542665456</u> Fax #:				Address:																						
Project #: <u>249027</u> Project Owner: <u>Deon</u>				City:																						
Project Name: <u>Shetland 11 CTB1</u>				State: Zip:																						
Project Location: <u>Eddy County</u>				Phone #:																						
Sampler Name: <u>Cyler Kimball</u>				Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
<u>NAUGAUS</u>	<u>CS-3</u>	<u>C</u>	<u>1</u>			<u>X</u>					<u>✓</u>		<u>10-14-24</u>	<u>12:00</u>												
	<u>CS-4</u>																									
	<u>CS-6</u>																									
	<u>CS-7</u>																									
	<u>CS-9</u>																									
	<u>CS-10</u>																									
	<u>CS-12</u>																									
	<u>CS-13</u>																									
	<u>CS-14</u>																									
	<u>CS-15</u>																									

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Relinquished By: <u>[Signature]</u>		Date: <u>10-14-24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: <u>[Signature]</u>		Time: <u>3:15</u>		Received By: <u>[Signature]</u>		All Results are emailed. Please provide Email address:	
Date: <u>10-14-24</u>		Time: <u>1517</u>		REMARKS:			
Delivered By: (Circle One)		Observed Temp. °C <u>20.5</u>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No		CHECKED BY: (Initials) <u>[Signature]</u>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>-1.10</u>		Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
				Thermometer ID #140 Correction Factor -0.6°C		Observed Temp. °C <u>48ms</u>	
						Corrected Temp. °C	

FORM-000 R 5.3 06/03/24

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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTBE</u>				BILL TO				ANALYSIS REQUEST											
Project Manager: <u>Ethan Jessums</u>				P.O. #: <u>21383836</u>				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TRIT</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTIX</div> </div>											
Address: <u>209 W McWay</u>				Company:															
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>				Attn:															
Phone #: <u>2542665456</u> Fax #:				Address:															
Project #: <u>249027</u> Project Owner: <u>Devon</u>				City:															
Project Name: <u>Shetland ICTB1</u>				State: Zip:															
Project Location: <u>Eddy County</u>				Phone #:															
Sampler Name: <u>Cyler Kimball</u>				Fax #:															
FOR LAB USE ONLY				MATRIX				PRESERV.				SAMPLING							
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME					
<u>H240243</u>	<u>CS-16</u>	<u>1</u>	<u>1</u>			<u>X</u>					<u>✓</u>		<u>10-14-24</u>	<u>12:30</u>					
<u>11</u>	<u>CS-17</u>																		
<u>12</u>	<u>CS-18</u>																		
<u>13</u>	<u>CS-19</u>																		
<u>14</u>	<u>CS-22</u>																		
<u>15</u>	<u>CS-23</u>																		
<u>16</u>	<u>SW-6</u>																		
<u>17</u>	<u>SW-14</u>																		
<u>18</u>	<u>SW-15</u>																		
<u>19</u>	<u>SW-16</u>																		
<u>20</u>																			

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Relinquished By: <u>[Signature]</u>	Date: <u>10-14-24</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Time: <u>3:15</u>			All Results are emailed. Please provide Email address:	
Relinquished By:	Date: <u>10-14-24</u>	Received By:	REMARKS:	
Time: <u>1517</u>				
Delivered By: (Circle One)	Observed Temp. °C: <u>-0.51</u>	Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input type="checkbox"/>	Turnaround Time: Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/>	Bacteria (only) Sample Condition: Cool <input type="checkbox"/> Intact <input type="checkbox"/>
Sampler - UPS - Bus - Other:	Corrected Temp. °C: <u>-1.12</u>	<input type="checkbox"/> Yes <input type="checkbox"/> No	Thermometer ID #140	Observed Temp. °C
		<input type="checkbox"/> Yes <input type="checkbox"/> No	Correction Factor -0.6°C	Corrected Temp. °C

FORM-006 R 3.0 06/03/24

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# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> NTE <b>Project Manager:</b> Ethan Jessum <b>Address:</b> 209 W. McWay <b>City:</b> Carlsbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> 254-266-5456 <b>Fax #:</b> <b>Project #:</b> 249027 <b>Project Owner:</b> Devin <b>Project Name:</b> Shetland ICTB1 <b>Project Location:</b> Eddy County <b>Sampler Name:</b> Tyler Kimball				<b>BILL TO</b> <b>P.O. #:</b> 21383836 <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Zip:</b> <b>Phone #:</b> <b>Fax #:</b>				<b>ANALYSIS REQUEST</b>																					
FOR LAB USE ONLY		Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		MATRIX				PRESERV.		SAMPLING		TPH Chlorides BTIX											
										GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				ACID/BASE: ICE / COOL OTHER:		DATE TIME													
12/16/2013		21		SW-17		C		1		X						10-14-24 12:45		X X X											

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<b>Relinquished By:</b>  <b>Date:</b> 10/14/24 <b>Time:</b> 2:15		<b>Received By:</b>  <b>Date:</b> 10-14-24 <b>Time:</b> 1:57		<b>Verbal Result:</b> <input type="checkbox"/> Yes <input type="checkbox"/> No <b>Add'l Phone #:</b> <b>All Results are emailed. Please provide Email address:</b>	
<b>Relinquished By:</b>  <b>Date:</b> 10-14-24 <b>Time:</b> 1:57		<b>Received By:</b>  <b>Date:</b> 10-14-24 <b>Time:</b> 1:57		<b>REMARKS:</b>	
<b>Delivered By: (Circle One)</b> Sampler - UPS - Bus - Other:		<b>Observed Temp. °C</b> Corrected Temp. °C		<b>Sample Condition</b> Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
<b>Turnaround Time:</b> Standard <input type="checkbox"/> Rush <input checked="" type="checkbox"/> 48 hrs		<b>Bacteria (only) Sample Condition</b> Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C		<b>Thermometer ID #140</b> <b>Correction Factor -0.6°C</b>	

FORM-000 R 3.0 06/03/24

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---

November 08, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHETLAND 11 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 11/06/24 13:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 11/06/2024  
 Reported: 11/08/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 11/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 10 (H246764-01)**

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	11/07/2024	ND	2.07	103	2.00	0.722	
Toluene*	<0.050	0.050	11/07/2024	ND	2.10	105	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/07/2024	ND	2.09	105	2.00	1.31	
Total Xylenes*	<0.150	0.150	11/07/2024	ND	6.22	104	6.00	0.909	
Total BTX	<0.300	0.300	11/07/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/07/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2024	ND	201	100	200	5.52	
DRO >C10-C28*	<10.0	10.0	11/06/2024	ND	188	94.1	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/06/2024	ND					

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 11/06/2024  
 Reported: 11/08/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 11/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 12 (H246764-02)**

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	11/07/2024	ND	2.07	103	2.00	0.722		
Toluene*	<0.050	0.050	11/07/2024	ND	2.10	105	2.00	1.11		
Ethylbenzene*	<0.050	0.050	11/07/2024	ND	2.09	105	2.00	1.31		
Total Xylenes*	<0.150	0.150	11/07/2024	ND	6.22	104	6.00	0.909		
Total BTEx	<0.300	0.300	11/07/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/07/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2024	ND	201	100	200	5.52	
DRO >C10-C28*	<10.0	10.0	11/06/2024	ND	188	94.1	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/06/2024	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.0 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 11/06/2024  
 Reported: 11/08/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 11/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 13 (H246764-03)**

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	11/07/2024	ND	2.07	103	2.00	0.722	
Toluene*	<0.050	0.050	11/07/2024	ND	2.10	105	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/07/2024	ND	2.09	105	2.00	1.31	
Total Xylenes*	<0.150	0.150	11/07/2024	ND	6.22	104	6.00	0.909	
Total BTEx	<0.300	0.300	11/07/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/07/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2024	ND	201	100	200	5.52	
DRO >C10-C28*	<10.0	10.0	11/06/2024	ND	188	94.1	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/06/2024	ND					

Surrogate: 1-Chlorooctane 86.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 11/06/2024  
 Reported: 11/08/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 11/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: CS - 23 (H246764-04)**

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	11/07/2024	ND	2.07	103	2.00	0.722	
Toluene*	<0.050	0.050	11/07/2024	ND	2.10	105	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/07/2024	ND	2.09	105	2.00	1.31	
Total Xylenes*	<0.150	0.150	11/07/2024	ND	6.22	104	6.00	0.909	
Total BTX	<0.300	0.300	11/07/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	11/07/2024	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2024	ND	201	100	200	5.52	
DRO >C10-C28*	<10.0	10.0	11/06/2024	ND	188	94.1	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/06/2024	ND					

Surrogate: 1-Chlorooctane 80.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.8 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 11/06/2024  
 Reported: 11/08/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 11/06/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: SW - 16 (H246764-05)**

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	11/07/2024	ND	2.07	103	2.00	0.722	
Toluene*	<0.050	0.050	11/07/2024	ND	2.10	105	2.00	1.11	
Ethylbenzene*	<0.050	0.050	11/07/2024	ND	2.09	105	2.00	1.31	
Total Xylenes*	<0.150	0.150	11/07/2024	ND	6.22	104	6.00	0.909	
Total BTEX	<0.300	0.300	11/07/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	11/07/2024	ND	400	100	400	7.69	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2024	ND	201	100	200	5.52	
DRO >C10-C28*	<10.0	10.0	11/06/2024	ND	188	94.1	200	10.1	
EXT DRO >C28-C36	<10.0	10.0	11/06/2024	ND					

Surrogate: 1-Chlorooctane 85.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager





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### Notes and Definitions

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

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

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Celey D. Keene, Lab Director/Quality Manager



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTGE</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>															
Project Manager: <b>Ethan Sessums</b>				P.O. #: <b>21383836</b>																			
Address: <b>209 West McKay St</b>				Company: <b>Devon</b>																			
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>				Attn:																			
Phone #: Fax #:				Address:																			
Project #: <b>249027</b> Project Owner:				City:																			
Project Name: <b>Shetland 11 CTB 1</b>				State: Zip:																			
Project Location: <b>Lea County</b>				Phone #:																			
Sampler Name: <b>Clayton T. Keene H</b>				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									
<b>H246764</b>													<b>11/06</b>	<b>10:00</b>									
1	CS-10	↓	↓			X							↓	↓	↓								
2	CS-12	↓	↓										↓	↓	↓								
3	CS-13	↓	↓										↓	↓	↓								
4	CS-23	↓	↓										↓	↓	↓								
5	SW-16	↓	↓										↓	↓	↓								

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Relinquished By:		Date: <b>11/06</b>	Received By:		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Time: <b>1:39</b>		Time: <b>1:39</b>		All Results are emailed. Please provide Email address:		
Relinquished By:		Date:	Received By:		REMARKS:	
Time:						
Delivered By: (Circle One)		Observed Temp. °C <b>31.2</b>	Sample Condition		CHECKED BY: (Initials) <b>AD</b>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <b>25.2</b>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: <b>Standard</b> <input type="checkbox"/> <b>Rush</b> <input checked="" type="checkbox"/> <b>48hrs</b>	
			Bacteria (only) Sample Condition		Thermometer ID #140 Correction Factor -0.6°C	
			Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No		Observed Temp. °C	
			Corrected Temp. °C			

FORM-006 R 3.3 06/03/24

† Cardinal cannot accept verbal changes. Please email changes to [celey.keene@cardinallabsnm.com](mailto:celey.keene@cardinallabsnm.com)



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December 12, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: SHETLAND 11 CTB 1

Enclosed are the results of analyses for samples received by the laboratory on 12/06/24 11:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. 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:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 1 0-6" (H247428-01)**

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	12/09/2024	ND	2.18	109	2.00	4.21		
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768		
Total BTX	<0.300	0.300	12/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.2 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 1 1-1.5 (H247428-02)**

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	12/09/2024	ND	2.18	109	2.00	4.21	
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20	
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63	
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768	
Total BTEX	<0.300	0.300	12/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 83.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 1 2-2.5 (H247428-03)**

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	12/09/2024	ND	2.18	109	2.00	4.21	
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20	
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63	
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768	
Total BTEX	<0.300	0.300	12/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 1 3-3.5 (H247428-04)**

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	12/09/2024	ND	2.18	109	2.00	4.21		
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768		
Total BTEX	<0.300	0.300	12/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 88.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 1 4-4.5 (H247428-05)**

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	12/09/2024	ND	2.18	109	2.00	4.21		
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768		
Total BTEX	<0.300	0.300	12/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 1 5-5.5 (H247428-06)**

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	12/09/2024	ND	2.18	109	2.00	4.21		
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768		
Total BTEx	<0.300	0.300	12/09/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 91.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 1 6-6.5 (H247428-07)**

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	12/09/2024	ND	2.18	109	2.00	4.21		
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768		
Total BTEx	<0.300	0.300	12/09/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 90.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 2 0-6" (H247428-08)**

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	12/09/2024	ND	2.18	109	2.00	4.21		
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768		
Total BTEX	<0.300	0.300	12/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 91.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 2 1-1.5 (H247428-09)**

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	12/09/2024	ND	2.18	109	2.00	4.21		
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768		
Total BTEx	<0.300	0.300	12/09/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 87.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.0 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 2 2-2.5 (H247428-10)**

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	12/09/2024	ND	2.18	109	2.00	4.21	
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20	
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63	
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768	
Total BTEX	<0.300	0.300	12/09/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45		
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08		
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND						

Surrogate: 1-Chlorooctane 90.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 2 3-3.5 (H247428-11)**

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	12/09/2024	ND	2.18	109	2.00	4.21	
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20	
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63	
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768	
Total BTEX	<0.300	0.300	12/09/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 88.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.8 % 49.1-148

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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 2 4-4.5 (H247428-12)**

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	12/09/2024	ND	2.18	109	2.00	4.21		
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768		
Total BTEX	<0.300	0.300	12/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	12/09/2024	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	12/09/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/09/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/09/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 2 5-5.5 (H247428-13)**

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	12/09/2024	ND	2.18	109	2.00	4.21		
Toluene*	<0.050	0.050	12/09/2024	ND	2.22	111	2.00	2.20		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.14	107	2.00	1.63		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.72	112	6.00	0.768		
Total BTEX	<0.300	0.300	12/09/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/09/2024	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	12/10/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/10/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/10/2024	ND					

Surrogate: 1-Chlorooctane 89.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

NTG ENVIRONMENTAL  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received: 12/06/2024  
 Reported: 12/12/2024  
 Project Name: SHETLAND 11 CTB 1  
 Project Number: 249027  
 Project Location: DEVON - LEA CO, NM

Sampling Date: 12/05/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: DV - 2 6-6.5 (H247428-14)**

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	12/09/2024	ND	2.02	101	2.00	6.50		
Toluene*	<0.050	0.050	12/09/2024	ND	2.01	101	2.00	4.58		
Ethylbenzene*	<0.050	0.050	12/09/2024	ND	2.02	101	2.00	3.55		
Total Xylenes*	<0.150	0.150	12/09/2024	ND	6.03	100	6.00	3.31		
Total BTX	<0.300	0.300	12/09/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	12/09/2024	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	12/10/2024	ND	226	113	200	1.45	
DRO >C10-C28*	<10.0	10.0	12/10/2024	ND	224	112	200	2.08	
EXT DRO >C28-C36	<10.0	10.0	12/10/2024	ND					

Surrogate: 1-Chlorooctane 89.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.4 % 49.1-148

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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

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

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Celey D. Keene, Lab Director/Quality Manager





## Chain of Custody

Work Order No: 11247428

Page 1 of 2

Page 17 of 18

Project Manager:	Ethan Sessums	Bill to: (if different)	Jim Raley
Company Name:	NTG Environmental	Company Name:	Devon Energy Production Corporation
Address:	209 W. McKay St.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:	Shetland 11 CTB 1		Turn Around		Pres. Code	ANALYSIS REQUEST																Preservative Codes			
Project Number:	249027		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush			Parameters	TPH 8015M Chloride SM4500-Cl-B BTEX 8021B																None: NO		DI Water: H <sub>2</sub> O
Project Location:	Lea County, New Mexico		Due Date:																				Cool: Cool		MeOH: Me
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																				HCL: HC		HNO <sub>3</sub> : HN
PO #:	21383836																					H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub>		NaOH: Na	
SAMPLE RECEIPT			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																	H <sub>3</sub> PO <sub>4</sub> : HP		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Thermometer ID:	140																NaHSO <sub>4</sub> : NABIS					
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:	-0.6																Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>					
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Temperature Reading:	-0.4																Zn Acetate+NaOH: Zn					
Total Containers:	14		Corrected Temperature:	-1.0																NaOH+Ascorbic Acid: SAPC					
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont																	Sample Comments	
DV-1	0-6"	12/5/2024		X		Grab	1	X	X	X															
DV-1	1-1.5	12/5/2024		X		Grab	1	X	X	X															
DV-1	2-2.5	12/5/2024		X		Grab	1	X	X	X															
DV-1	3-3.5	12/5/2024		X		Grab	1	X	X	X															
DV-1	4-4.5	12/5/2024		X		Grab	1	X	X	X															
DV-1	5-5.5	12/5/2024		X		Grab	1	X	X	X															
DV-1	6-6.5	12/5/2024		X		Grab	1	X	X	X															
DV-2	0-6"	12/5/2024		X		Grab	1	X	X	X															
DV-2	1-1.5	12/5/2024		X		Grab	1	X	X	X															
DV-2	2-2.5	12/5/2024		X		Grab	1	X	X	X															

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12-6-24			12-6-24 11:39





## Chain of Custody

Work Order No: 1247428Page 2 of 2

Page 18 of 18

Project Manager:	Ethan Sessums	Bill to: (if different)	Jim Raley
Company Name:	NTG Environmental	Company Name:	Devon Energy Production Corporation
Address:	209 W. McKay St.	Address:	
City, State ZIP:	Carlsbad, NM, 88220	City, State ZIP:	
Phone:	432-701-2159	Email:	esessums@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting: Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:	

Project Name:	Shetland 11 CTB 1		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes	
Project Number:	249027		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush																None: NO DI Water: H <sub>2</sub> O	
Project Location:	Lea County, New Mexico		Due Date:																Cool: Cool MeOH: Me	
Sampler's Name:	Kenny Han		TAT starts the day received by the lab, if received by 4:30pm																HCL: HC HNO <sub>3</sub> : HN	
PO #:	21383836																		H <sub>2</sub> SO <sub>4</sub> : H <sub>2</sub> NaOH: Na	
<b>SAMPLE RECEIPT</b>			Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H <sub>3</sub> PO <sub>4</sub> : HP	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Thermometer ID:	140														NaHSO <sub>4</sub> : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:	-0.0:														Na <sub>2</sub> S <sub>2</sub> O <sub>3</sub> : NaSO <sub>3</sub>		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Temperature Reading:	-0.4:														Zn Acetate+NaOH: Zn		
Total Containers:	14		Corrected Temperature:	-1.0:														NaOH+Ascorbic Acid: SAPC		
																			<b>Sample Comments</b>	

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		12-6-24			12-6-24 1139

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Phone: (505) 476-3441

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

QUESTIONS

Action 417073

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 417073
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421847577
Incident Name	NAPP2421847577 SHETLAND 11 CTB 1 @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received
Incident Facility	[fAPP2123649550] SHETLAND 11 CTB 1

Location of Release Source	
Please answer all the questions in this group.	
Site Name	SHETLAND 11 CTB 1
Date Release Discovered	08/05/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Valve   Produced Water   Released: 29 BBL   Recovered: 20 BBL   Lost: 9 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Ball valve washed out on water leg. 29 bbls estimated released onto pad. 20 bbls recovered

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

QUESTIONS, Page 2

Action 417073

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 417073
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

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

**Initial Response**

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

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 01/06/2025
--	---

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Phone: (505) 476-3441

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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 3

Action 417073

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 417073
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Site Characterization</b>	
<i>Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	18800
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
BTEX (EPA SW-846 Method 8021B or 8260B)	0
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	09/22/2024
On what date will (or did) the final sampling or liner inspection occur	11/06/2024
On what date will (or was) the remediation complete(d)	11/15/2024
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	3889
What is the estimated volume (in cubic yards) that will be remediated	469
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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General Information  
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**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

QUESTIONS, Page 4

Action 417073

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 417073
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 01/06/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	



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QUESTIONS, Page 5

Action 417073

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 417073
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

**QUESTIONS**

<b>Deferral Requests Only</b>	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Impacted area is surrounded by separators and production flow lines
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	600
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	144
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	SHETLAND 11 CTB 1 [fAPP2123649550]
Enter the well API (30-) on which this deferral should be granted	Not answered.
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 01/06/2025

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QUESTIONS, Page 6  
  
Action 417073

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 417073
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	399111
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	11/06/2024
What was the (estimated) number of samples that were to be gathered	10
What was the sampling surface area in square feet	1000

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

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CONDITIONS

Action 417073

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 417073
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	4/1/2025