



209 W. McKay Street  
Carlsbad, New Mexico 88220  
Tel. 432-701-2159  
www.ntgenvironmental.com

March 19, 2025

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

Re: Site Characterization and Remediation Work Plan  
Devon Energy Production Company  
Boundary Raider 6-7 Federal Com #212H  
Unit C, Section 6, Township 23S, Range 32E  
Site Coordinates: 32.339223, -103.715073  
Lea County, New Mexico  
Incident ID: nAPP2426430668

## **Introduction**

On behalf of Devon Energy Production Company (Devon), New Tech Global Environmental, LLC (NTGE) has prepared this Site Characterization and Remediation Work Plan for submittal to the New Mexico Oil Conservation Division (NMOCD) District 2 Office in Artesia, New Mexico to document site assessment, remedial action activities, and sample analysis results for release number: nAPP2426430668– Boundary Raider 6-7 Federal Com #212H (Site). The Site is in Unit Letter C, Section 6, of Township 23 South and Range 33 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.339223° N latitude and 103.715073° 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 September 19, 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 thirteen (13) barrels (bbls) of crude oil of which five (5) bbls were recovered for an approximate net loss of eight (8) bbls of crude oil. The release area is shown on Figure 3.

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## **Groundwater and Site Characterization**

On February 25, 2025, H&R Enterprises, LLC (H&R) installed a temporary well (C 04936) to determine the depth to groundwater ~~on the west side of the pad~~. The well was left open for a minimum of 72 hours. On March 3, 2025, NTGE utilized a water probe to determine the presence or absence of groundwater. No groundwater was detected, and the temporary well was plugged and abandoned. 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 Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are 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)
Low Karst	>55

**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	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
Notes: --- = not defined					

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

On September 24, 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 ten (10) horizontal sample points (H-1 through H-10) were installed adjacent to the release area in order to characterize the impacts. Soil samples were collected at half-foot (0.5) intervals from depths ranging from zero (0) to four and a half (4.5) feet (ft) below ground surface (bgs) with a geotechnical hand auger. The hand auger was decontaminated with Alconox<sup>®</sup> 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 or EPA 300.0). Analytical results indicated BTEX, TPH, and/or chloride concentrations were above NMOC Table I Closure Criteria V-1, V-3, V-5 and V-6 from surface to half (0.5) a ft, V-2 from surface to four and a half

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(4.5) ft. Additionally, H-4 and H-8 exhibited concentrations of TPH and/or chloride above Table I Closure Criteria. All other horizontal sample analytes were below NMOCD standards.

On September 25, 2024, NTGE was on site to collect two horizontal samples, (H-4(7) and H-6(5)). Analytical results indicated that H-4(7) exhibited TPH concentrations above NMOCD standards.

On October 18, 2024, NTGE returned to the Site to continue with the vertical and horizontal delineation assessment of the release. A total of five (5) test pits (TP-1 to TP-5) were installed within the release area and samples were collected at one (1) ft intervals ranging from four (4) to nine (9) ft bgs utilizing mechanical equipment. Additionally, five (5) horizontal delineation samples (H-1A, H-3A, H-4A, H-5A, and H-8A) were collected adjacent to the release area in order to characterize the impacts. Analytical results indicated that all sample analytes were below NMOCD standards.

On December 20, 2024, NTGE returned to the Site to continue with the vertical delineation assessment of the release. A total of five (5) test pits (TP-5 to TP-9) were installed within the release area and samples were collected at half (0.5) ft intervals at depths ranging from surface (0) to ten and a half (10.5) ft bgs utilizing mechanical equipment. Furthermore, three (3) horizontal delineation samples (H-11 to H-13) were collected adjacent to the release area in order to characterize the impacts. Soil samples were delivered to Cardinal Laboratories in Hobbs, New Mexico for the analysis of BTEX, TPH, and chloride. Analytical results indicated that all sample analytes were below NMOCD standards.

After evaluating the data for the site assessments, Devon decided to install a depth to groundwater determination well. The well was installed on February 25, 2025, by H&R to a depth of fifty-five (55) ft bgs and the well was determined to be dry after 72 hours of being left open.

Analytical results are included in Table 1, while soil boring locations are shown on Figure 3. The initial C-141, laboratory reports containing analytical methods and chain-of-custody documents are attached to the report.

### **Proposed Work Plan**

After receiving and evaluating the soil boring data NTGE proposes to excavate the areas of V-1, V-3, V-5, V-6, H-4, H-4(7), and H-8 to a depth of one (1) ft bgs, and the area of V-2 excavated to a depth of 5ft bgs, to ensure that impacts exceeding the ~~table one~~ criteria for 55ft ground water are removed. NTGE proposes that all impacts from surface to four (4) ft bgs below the updated sampling criteria be left in place and handled upon reclamation of the site. Approximately 132 cubic yards of impacted material will be excavated and transported offsite for disposal at an NMOCD approved landfill. The proposed excavation map is shown on Figure 4.

Upon completion of the excavation, confirmation samples will be taken with a five (5) point composite sample. Each sample will represent an area no greater than 200 square feet to comply with NMAC 19.15.23.12. Discrete soil samples will be collected from the sidewalls and bottom of the excavation if any staining is observed. All confirmation samples will be taken to a certified laboratory and analyzed for BTEX by EPA Method 8021B, TPH by EPA Method 8015B Modified, and chloride by SM4500 Cl -B. If any of the confirmation samples collected exhibit concentrations above regulatory standards set by NMAC 19.15.23.12, the areas will be further excavated until concentrations are below Table I Closure Criteria.

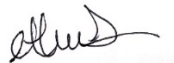
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If you have any questions regarding this letter, please contact us at (432)-701-2159.

Sincerely,  
**NTG Environmental**



Ethan Sessums  
Project Manager

Attachments:

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

NTGE Project No.: 249161



## **TABLES**

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Boundary Raider 6-7 Federal Com #212H**  
**Devon Energy Production, LP**  
**Lea 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 55<100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		10,000 mg/kg
Vertical Delineation Samples														
V-1	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	12.9	1,340	1,352.9	259	1,611.9	2,720	
	9/24/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672	
	9/24/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	112	
	9/24/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	18.4	18.4	<10.0	18.4	64.0	
V-2	9/24/2024	0-0.5	3.64	38.3	26.0	123	191	2,840	14,100	16,940	2,470	19,410	6,100	
	9/24/2024	1-1.5	<0.050	<0.050	0.086	0.589	0.675	25.2	439	464.2	88.5	552.7	2,280	
	9/24/2024	2-2.5	<0.050	0.495	0.842	5.26	6.59	192	2,090	2,282	389	2,671	2,120	
	9/24/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	58.6	58.6	<10.0	58.6	2,000	
	9/24/2024	4-4.5	<0.050	0.121	0.245	1.65	2.01	58.9	1,100	1,158.9	200	1,359	2,200	
V-3	9/24/2024	0-0.5	0.898	15.4	10.8	51.9	78.9	1,310	7,800	9,110	1,320	10,430	24,000	
	9/24/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	94.6	94.6	28.3	122.9	9,730	
	9/24/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21	21	<10.0	21	4,720	
	9/24/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	235	235	46.8	281.8	4,000	
V-4	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	23.6	23.6	<10.0	23.6	6,960	
	9/24/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,920	
	9/24/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	2,400	
	9/24/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960	
V-5	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	17,400	
	9/24/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	92.1	92.1	22.5	114.6	3,240	
	9/24/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	131	131	32.4	163.4	4,240	
	9/24/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.9	17.9	<10.0	17.9	4,640	
V-6	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	655	655	169	824	10,600	
	9/24/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	297	297	70.5	367.5	4,640	
	9/24/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	24.3	24.3	<10.0	24.3	1,860	
TP-1	10/18/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
	10/18/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	
	10/18/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
TP-2	10/18/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
	10/18/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
	10/18/2024	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
	10/18/2024	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0	
TP-3	10/18/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
	10/18/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	141	141	31.7	172.7	96.0	
	10/18/2024	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
	10/18/2024	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0	
	10/18/2024	9	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
TP-4	10/18/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	
	10/18/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496	
	10/18/2024	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304	
	10/18/2024	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0	
	10/18/2024	4	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	

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			(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 55<100 feet Depth to Groundwater 19.15.29 NMAC											
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg		10,000 mg/kg
TP-5	10/18/2024	5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416	
	10/18/2024	6	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0	
	10/18/2024	7	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256	
	10/18/2024	8	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720	
	12/20/2024	9-9.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0	
TP-6	12/20/2024	10-10.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144	
	12/20/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496	
	12/20/2024	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	
	12/20/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
	12/20/2024	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	
TP-7	12/20/2024	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	
	12/20/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	197	197	<10.0	197	3,040	
	12/20/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	137	137	<10.0	137	1,900	
	12/20/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
	12/20/2024	3-3.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192	
TP-8	12/20/2024	4-4.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0	
	12/20/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	591	591	<10.0	591	1,120	
	12/20/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.1	584	584	<10.1	584	1,090	
	12/20/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.2	25.9	25.9	<10.2	25.9	272	
	12/20/2024	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	
TP-9	12/20/2024	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	
	12/20/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608	
	12/20/2024	1-1.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624	
	12/20/2024	2-2.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
	12/20/2024	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	
	12/20/2024	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	
Horizontal Delineation Samples														
H-1	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	275	275	90.1	365.1	480	
H-1A	10/18/2024	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-2	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.3	42.3	21.8	64.1	48.0	
H-3	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	185	185	65.1	250.1	128	
H-3A	10/18/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208	
H-4	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	54.3	54.3	<10.0	54.3	15,200	
H-4A	10/18/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	91.8	91.8	21.5	113.3	48.0	
H-4(7)	9/25/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	1,230	1,230	276	1,506	320	
H-5	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	221	221	76.9	297.9	256	
H-5A	10/18/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.2	17.2	<10.0	17.2	96.0	
H-6	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.5	26.5	<10.0	26.5	2,840	
H-6(5)	9/25/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.2	15.2	<10.0	15.2	176	
H-7	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0	
H-8	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	3,910	3,910	2,470	6,380	192	
H-8A	10/18/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128	

**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
**Boundary Raider 6-7 Federal Com #212H**  
**Devon Energy Production, LP**  
**Lea 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 55<100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	1,000 mg/kg	---	2,500 mg/kg	10,000 mg/kg
H-9	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.5	33.5	<10.0	33.5	368
H-10	9/24/2024	0-0.5	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
H-11	12/20/2024	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-12	12/20/2024	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-13	12/20/2024	0-6"	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0

## 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

SP-1	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.

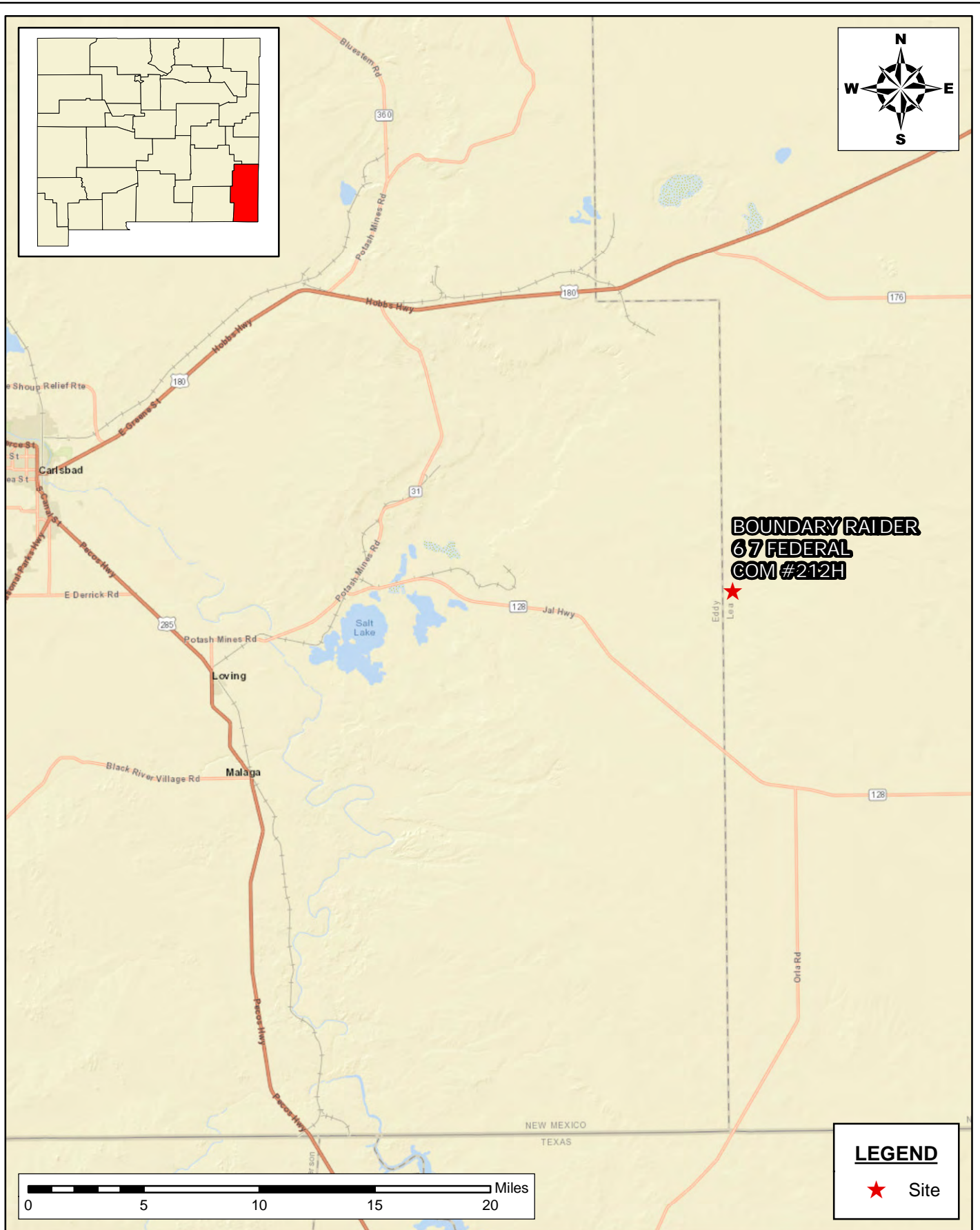
8. Peach shaded cells indicate analytical samples that exceed the NMAC 19.15.29.13 Table I Closure Criteria for the site (Surface to 4 Feet Below Grade).

9. --- Not Analyzed

## **FIGURES**

---

Document Path: C:\Users\ntg\Documents\New Tech Global\NTGE - Projects\2024 PROJECTS\DEVON\RSC249161 - (RSC) Boundary Raider 6-7 Fed Com 212H7 - Figures\Figure\_1\_SL.mxd



**SITE LOCATION MAP**  
**SITE CHARACTERIZATION AND REMEDIATION WORK PLAN**  
**DEVON ENERGY PRODUCTION COMPANY**  
**BOUNDARY RAIDER 67 FEDERAL COM #212H**  
**LEA COUNTY, NEW MEXICO**

SCALE: As Shown    Date: 1/3/2025    PROJECT #:249221

**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviroinmental.com



**NOTES:**

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

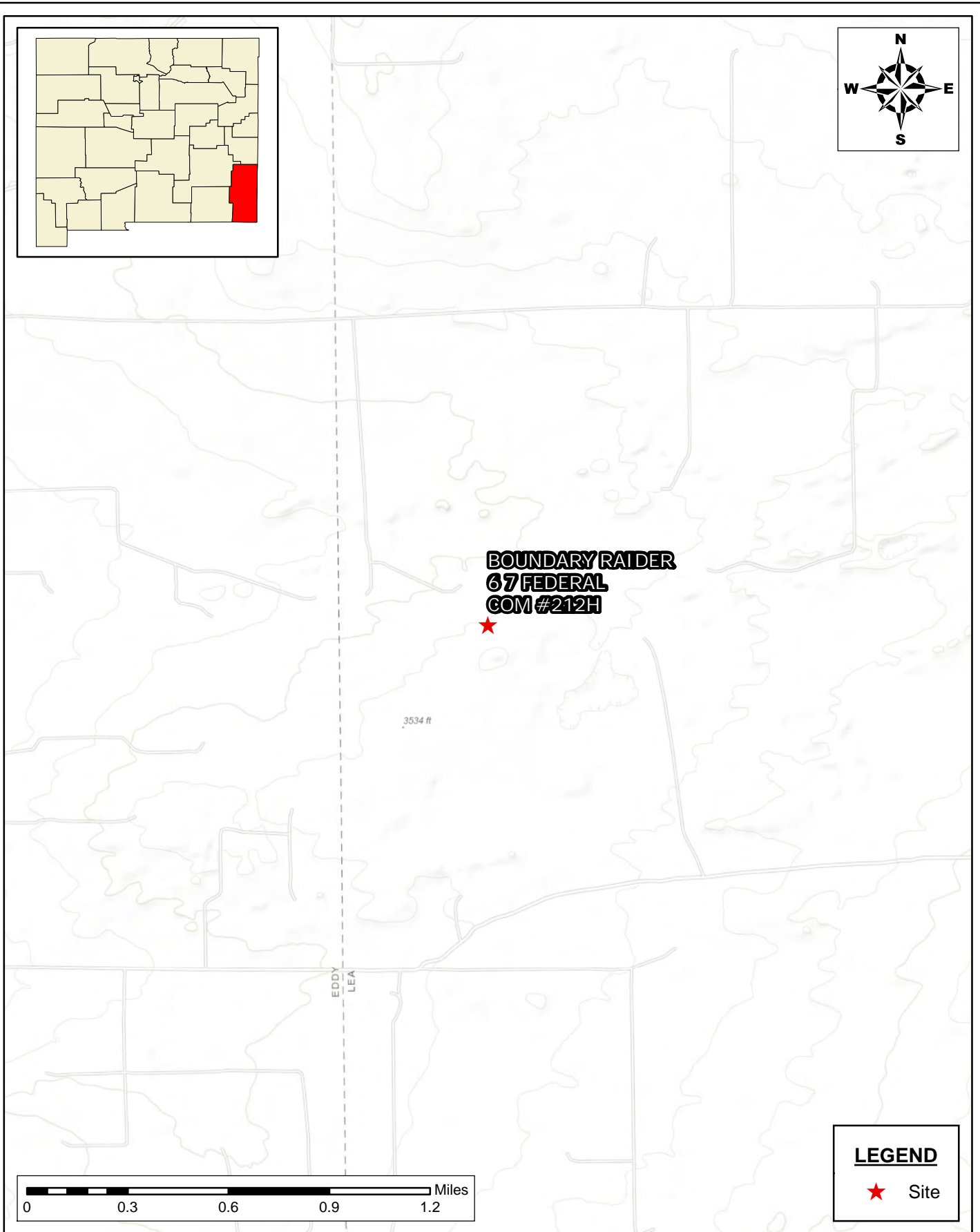
DRAWING NUMBER:

**FIGURE 1**

SHEET NUMBER:

**1 of 1**

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVON\RSC\249161 - (RSC) Boundary Raider 6-7 Fed Com 212H7 - Figures\GIS\Figure\_2\_TM.mxd



**TOPOGRAPHIC MAP**  
**SITE CHARACTERIZATION AND REMEDIATION WORK PLAN**  
**DEVON ENERGY PRODUCTION COMPANY**  
**BOUNDARY RAIDER 67 FEDERAL COM #212H**  
**LEA COUNTY, NEW MEXICO**

SCALE: As Shown    Date: 1/3/2025    PROJECT #: 249221

  
**New Tech Global Environmental, LLC**  
911 Regional Park Drive  
Houston, Texas 77060  
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**NOTES:**

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

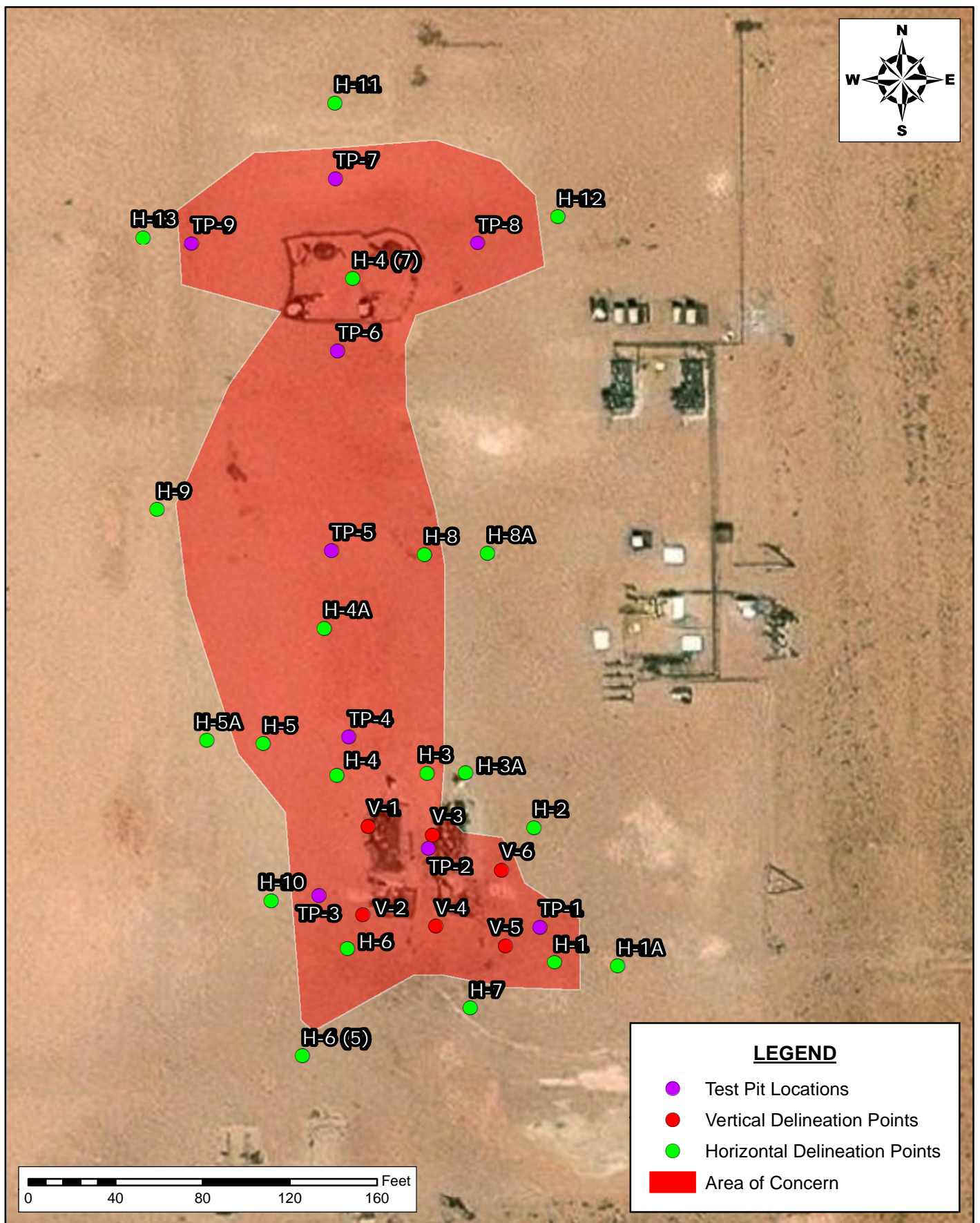
DRAWING NUMBER:

**FIGURE 2**

SHEET NUMBER:

**1 of 1**

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVON\IRSC249161 - (RSC) Boundary Raider 6-7 Fed Com 212H7 - Figures\GIS\Figure\_3\_JA.mxd



**INITIAL ASSESSMENT MAP**  
**SITE CHARACTERIZATION AND REMEDIATION WORK PLAN**  
**DEVON ENERGY PRODUCTION COMPANY**  
 BOUNDARY RAIDER 6 7 FEDERAL COM #212H  
 LEA COUNTY, NEW MEXICO

SCALE: As Shown

Date: 1/3/2025

PROJECT #:249221

**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviromental.com

**NOTES:**

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

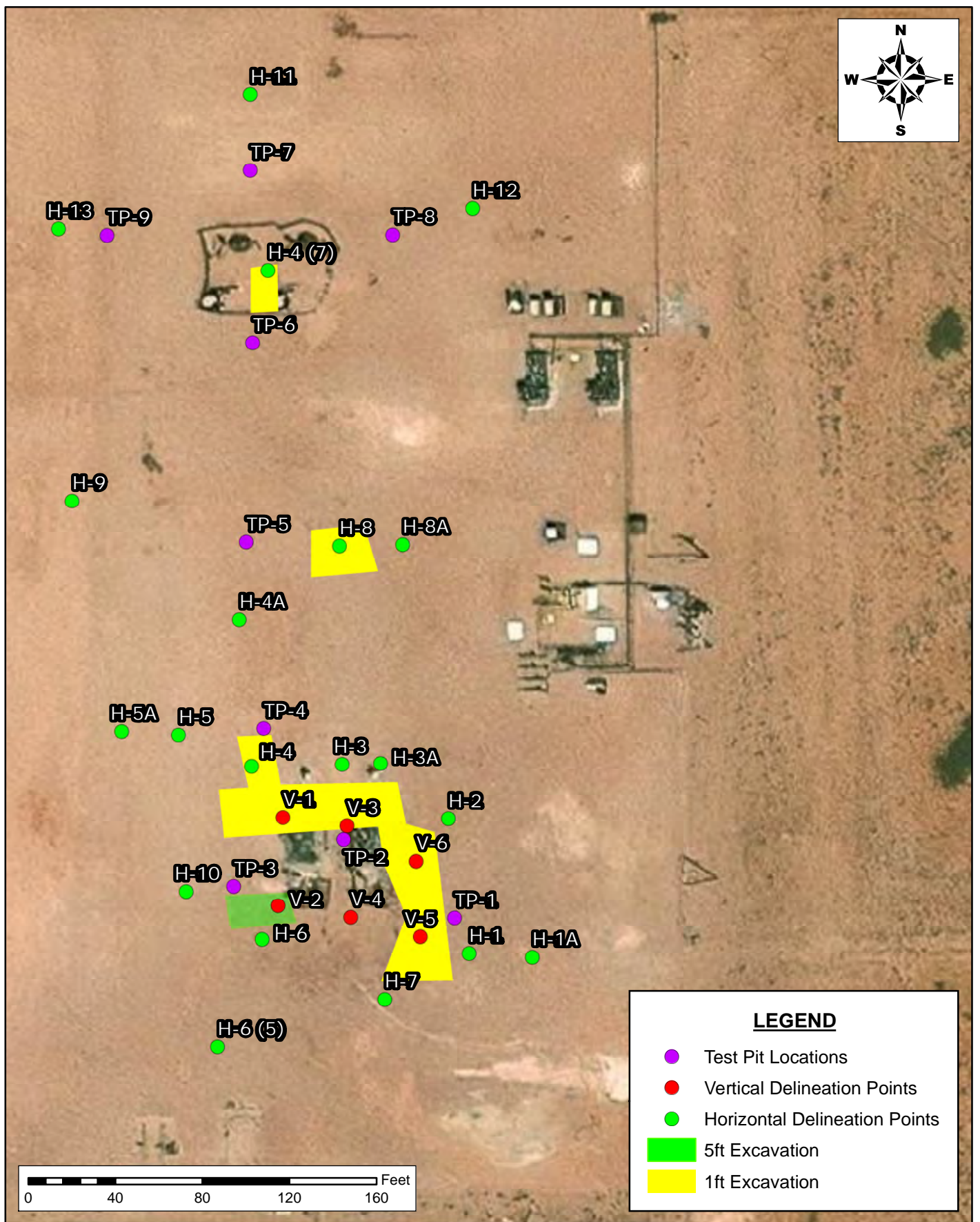
DRAWING NUMBER:

**FIGURE 3**

SHEET NUMBER:

**1 of 1**

Document Path: C:\Users\ntgegis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\DEVON\RSC249161 - (RSC) Boundary Raider 6-7 Fed Com 212H\7 - Figures\GIS\Figure\_4\_PEM.mxd



**PROPOSED EXCAVATION MAP**  
**SITE CHARACTERIZATION AND REMEDIATION WORK PLAN**  
**DEVON ENERGY PRODUCTION CORPORATION**  
 BOUNDARY RAIDER 6 7 FEDERAL COM #212H  
 LEA COUNTY, NEW MEXICO

SCALE: As Shown    Date: 3/19/2025    PROJECT #:249161

**New Tech Global Environmental, LLC**  
 911 Regional Park Drive  
 Houston, Texas 77060  
 T - 281.872.9300  
 F - 281.872.4521  
 Web: www.ntgenviroinmental.com



**NOTES:**

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

DRAWING NUMBER:

**FIGURE 4**

SHEET NUMBER:

**1 of 1**

## Proposed Excavation Map





Devon Energy Production Corp  
Boundary Raider 6-7 Federal Com #212H  
Lea County, New Mexico  
32.339223,-103.715073

Area of Green: 432 sqft x 5ft ~ 80 CY  
Area of Yellow: 4,105 sqft x 1ft ~ 152 CY

Total Excavated Volume: 132 CY

sqft - Square feet  
CY - Cubic Yard

### Legend

-  1ft Excavation
-  5ft Excavation
-  Horizontal Delineation Sample Point
-  Vertical Delineation Sample Point

Google Earth

Image © 2025 Airbus  
Released to Imaging: 4/7/2025 12:59:52 PM

200 ft



## **SITE CHARACTERIZATION INFORMATION**

---

# OCD Well Locations



9/23/2024, 11:16:43 AM

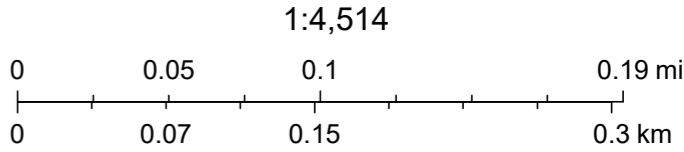
Wells - Large Scale

- Gas, New
- Oil, Active
- Oil, Cancelled
- Oil, New

- Oil, Plugged
- Salt Water Injection, Active
- Incident Release
- Produced Water Release
- Oil Release

- Release Other
- Facility
- Other
- Tank

- Karst Occurrence Potential
- Low
- PLSS Second Division
- PLSS First Division



BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., USGS, OCD, Esri, HERE, Garmin, IPC, Maxar, NM OSE, BLM



# WELL RECORD & LOG

OFFICE OF THE STATE ENGINEER

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

1. GENERAL AND WELL LOCATION	OSE POD NO. (WELL NO.) Pod-1		WELL TAG ID NO.		OSE FILE NO(S) C-04936		
	WELL OWNER NAME(S) Devon Energy				PHONE (OPTIONAL) 575-885-7541		
	WELL OWNER MAILING ADDRESS 5315 Buena Vista Dr.				CITY Carlsbad		STATE NM
					ZIP 88220		
	WELL LOCATION (FROM GPS)	DEGREES 32	MINUTES 20	SECONDS 22.88	N	* ACCURACY REQUIRED: ONE TENTH OF A SECOND	
	LONGITUDE 103	42	58.77	W	* DATUM REQUIRED: WGS 84		
DESCRIPTION RELATING WELL LOCATION TO STREET ADDRESS AND COMMON LANDMARKS - PLSS (SECTION, TOWNSHIP, RANGE) WHERE AVAILABLE U/L C S-6 T-23S R-32E							

2. DRILLING & CASING INFORMATION	LICENSE NO. WD-1862		NAME OF LICENSED DRILLER James Hawley		NAME OF WELL DRILLING COMPANY H&R Enterprises, LLC		
	DRILLING STARTED 2/25/25	DRILLING ENDED 2/25/25	DEPTH OF COMPLETED WELL (FT) 55'	BORE HOLE DEPTH (FT) 55'	DEPTH WATER FIRST ENCOUNTERED (FT) Dry		
	COMPLETED WELL IS: <input type="checkbox"/> ARTESIAN *add Centralizer info below <input checked="" type="checkbox"/> DRY HOLE <input type="checkbox"/> SHALLOW (UNCONFINED)				STATIC WATER LEVEL IN COMPLETED WELL (FT) DRY		DATE STATIC MEASURED 3/3/25
	DRILLING FLUID: <input checked="" type="checkbox"/> AIR <input type="checkbox"/> MUD				ADDITIVES - SPECIFY:		
	DRILLING METHOD: <input checked="" type="checkbox"/> ROTARY <input type="checkbox"/> HAMMER <input type="checkbox"/> CABLE TOOL <input type="checkbox"/> OTHER - SPECIFY:				CHECK HERE IF PITLESS ADAPTER IS INSTALLED <input type="checkbox"/>		
	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM (inches)	CASING MATERIAL AND/OR GRADE (include each casing string, and note sections of screen)	CASING CONNECTION TYPE (add coupling diameter)	CASING INSIDE DIAM. (inches)	CASING WALL THICKNESS (inches)
				No casing left in hole			

3. ANNULAR MATERIAL	DEPTH (feet bgl) FROM TO		BORE HOLE DIAM. (inches)	LIST ANNULAR SEAL MATERIAL AND GRAVEL PACK SIZE- RANGE BY INTERVAL *(if using Centralizers for Artesian wells- indicate the spacing below)	AMOUNT (cubic feet)	METHOD OF PLACEMENT
				N/A		

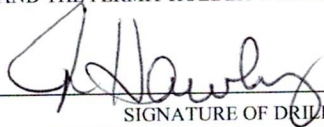
FOR OSE INTERNAL USE

WR-20 WELL RECORD & LOG (Version 09/22/2022)

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

4. HYDROGEOLOGIC LOG OF WELL	DEPTH (feet bgl)		THICKNESS (feet)	COLOR AND TYPE OF MATERIAL ENCOUNTERED - INCLUDE WATER-BEARING CAVITIES OR FRACTURE ZONES (attach supplemental sheets to fully describe all units)	WATER BEARING? (YES / NO)	ESTIMATED YIELD FOR WATER- BEARING ZONES (gpm)
	FROM	TO				
	0	5	5	loose sandy caliche	Y <input checked="" type="checkbox"/> N	
	5	10	5	caliche	Y <input checked="" type="checkbox"/> N	
	10	40	30	gray loose sandy clay	Y <input checked="" type="checkbox"/> N	
	40	45	5	reddish gray sandy clay	Y <input checked="" type="checkbox"/> N	
	45	50	5	pinkish gray clay	Y <input checked="" type="checkbox"/> N	
	50	55	5	red consolidated clay	Y <input checked="" type="checkbox"/> N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
					Y N	
METHOD USED TO ESTIMATE YIELD OF WATER-BEARING STRATA: <input type="checkbox"/> PUMP <input type="checkbox"/> AIR LIFT <input type="checkbox"/> BAILER <input type="checkbox"/> OTHER - SPECIFY:					TOTAL ESTIMATED WELL YIELD (gpm): 0	

5. TEST; RIG SUPERVISION	WELL TEST	TEST RESULTS - ATTACH A COPY OF DATA COLLECTED DURING WELL TESTING, INCLUDING DISCHARGE METHOD, START TIME, END TIME, AND A TABLE SHOWING DISCHARGE AND DRAWDOWN OVER THE TESTING PERIOD.
	MISCELLANEOUS INFORMATION: Well bore was drilled 2/25/25, gauged on 3/3/25, well bore was dry, casing was removed and bore was plugged in accordance with the approved PPOO on 3/3/25	
	PRINT NAME(S) OF DRILL RIG SUPERVISOR(S) THAT PROVIDED ONSITE SUPERVISION OF WELL CONSTRUCTION OTHER THAN LICENSEE: Nathan Smelcer	

6. SIGNATURE	THE UNDERSIGNED HEREBY CERTIFIES THAT, TO THE BEST OF HIS OR HER KNOWLEDGE AND BELIEF, THE FOREGOING IS A TRUE AND CORRECT RECORD OF THE ABOVE DESCRIBED HOLE AND THAT HE OR SHE WILL FILE THIS WELL RECORD WITH THE STATE ENGINEER AND THE PERMIT HOLDER WITHIN 30 DAYS AFTER COMPLETION OF WELL DRILLING:	
	 SIGNATURE OF DRILLER / PRINT SIGNEE NAME	James Hawley DATE: 3/4/25

FOR OSE INTERNAL USE		WR-20 WELL RECORD & LOG (Version 09/22/2022)	
FILE NO.	POD NO.	TRN NO.	
LOCATION	WELL TAG ID NO.	PAGE 2 OF 2	



# PLUGGING RECORD



NOTE: A Well Plugging Plan of Operations shall be approved by the State Engineer prior to plugging - 19.27.4 NMAC

## I. GENERAL / WELL OWNERSHIP:

State Engineer Well Number: C-04936 Pod-1

Well owner: Devon Energy

Phone No.: \_\_\_\_\_

Mailing address: 5315 Buena Vista Dr.

City: Carlsbad

State: \_\_\_\_\_

NM

Zip code: 88220

## II. WELL PLUGGING INFORMATION:

- 1) Name of well drilling company that plugged well: H&R Enterprises, LLC
- 2) New Mexico Well Driller License No.: WDD-1862 Expiration Date: 6/25
- 3) Well plugging activities were supervised by the following well driller(s)/rig supervisor(s):  
Nathan Smelcer
- 4) Date well plugging began: 3/3/25 Date well plugging concluded: 3/3/25
- 5) GPS Well Location: Latitude: 32 deg, 20 min, 22.88 sec  
Longitude: 103 deg, 42 min, 58.77 sec, WGS 84
- 6) Depth of well confirmed at initiation of plugging as: DRY ft below ground level (bgl),  
by the following manner: well sounder
- 7) Static water level measured at initiation of plugging: DRY ft bgl
- 8) Date well plugging plan of operations was approved by the State Engineer: 1/31/25
- 9) Were all plugging activities consistent with an approved plugging plan? yes If not, please describe differences between the approved plugging plan and the well as it was plugged (attach additional pages as needed):

- For each interval plugged, describe within the following columns:**

[illegible]

MULTIPLY		BY		AND OBTAIN
cubic feet	x	7.4805	=	gallons
cubic yards	x	201.97	=	gallons

I, James Hawley, say that I am familiar with the rules of the Office of the State Engineer pertaining to the plugging of wells and that each and all of the statements in this Plugging Record and attachments are true to the best of my knowledge and belief.

lieft.

A. Hawley

3/4/25

Date \_\_\_\_\_

Legend

Basemap

Query

Source

Legend

All Layers On/Off

All Layer Transparency

NM Wetlands Mapping and Classification

NM Wetlands Mapping and Classification

Mapping Status

In Progress (Only NWI)

Not Mapped

Riparian Habitat

Hydrogeomorphic Mapping (HGM) Linears

Riverine

Hydrogeomorphic Mapping (HGM) Polygons

Depressional

Flats

Lacustrine Fringe

Riverine

Slope

Landscape Position and Water Body (LLWW) Linears

Lentic (LE)

Lotic RIVER (LR)

Lotic Stream (LS)

Pond (PD)

River (RV)

Stream (ST)

Terrene (TE)

Landscape Position and Water Body (LLWW) Polygons

Lentic (LE)

Lake (LK)

Lotic River (LR)

Lotic Stream (LS)

Pond (PD)

River (RV)

Stream (ST)

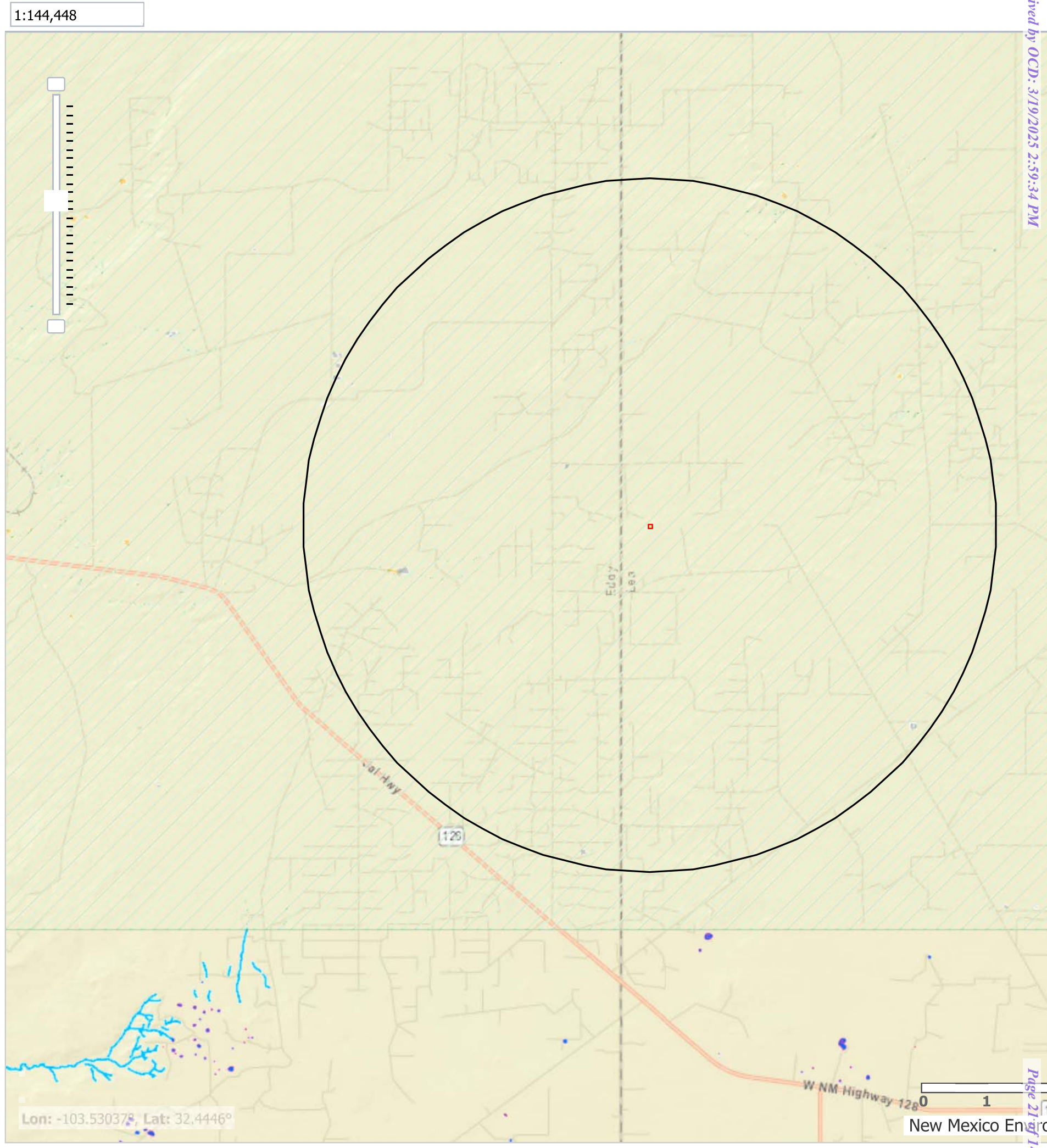
Terrene (TE)

Landform (LLWW)

Basin

Flat

Floodplain

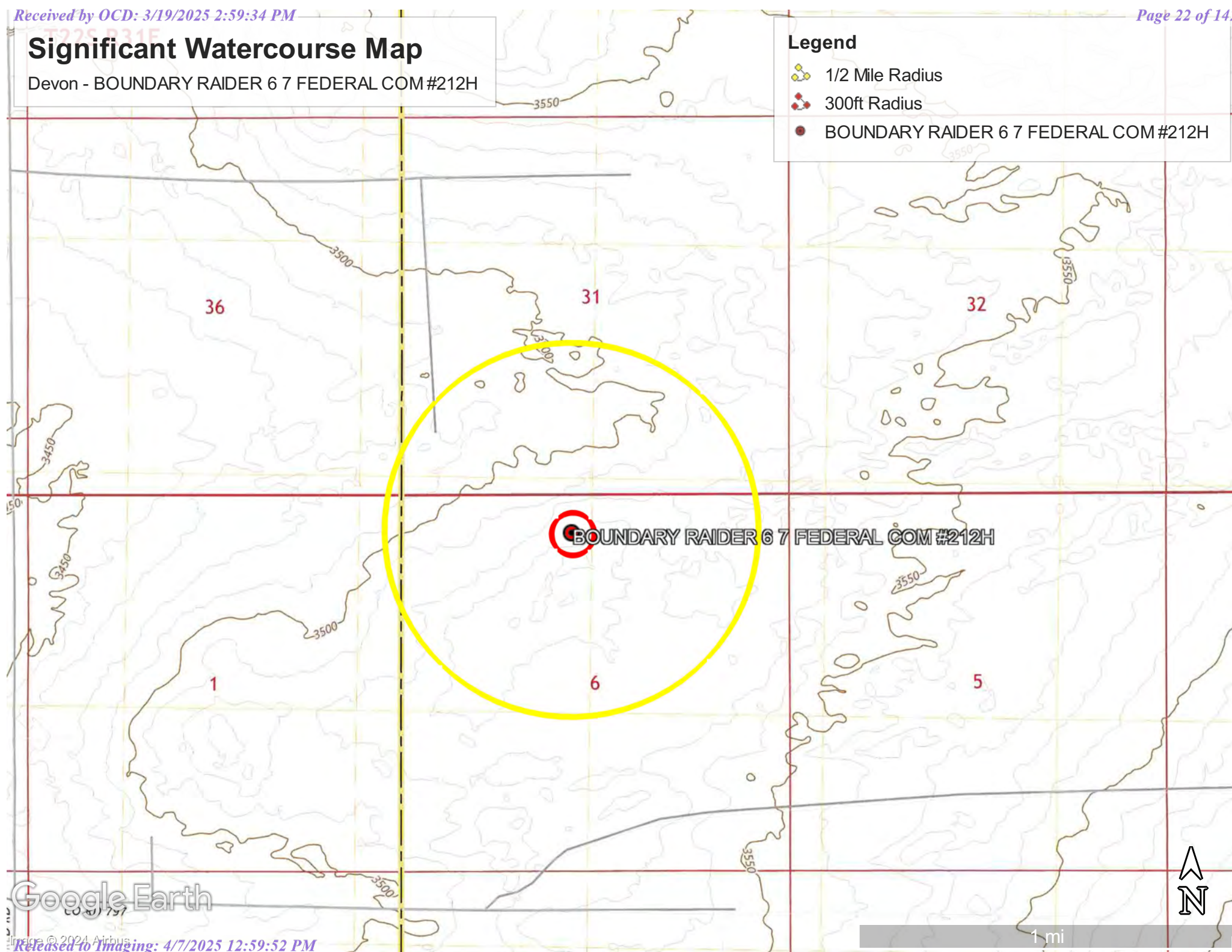


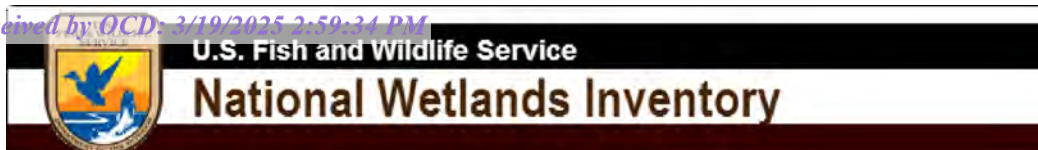
# Significant Watercourse Map

Devon - BOUNDARY RAIDER 6 7 FEDERAL COM #212H

## Legend

-  1/2 Mile Radius
-  300ft Radius
-  BOUNDARY RAIDER 6 7 FEDERAL COM #212H





## Wetlands



September 23, 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.

# National Flood Hazard Layer FIRMette



103°43'13"W 32°20'36"N



1:6,000

103°42'36"W 32°20'6"N

Released to Imaging: 4/7/2025 12:39:52 PM

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 Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect 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

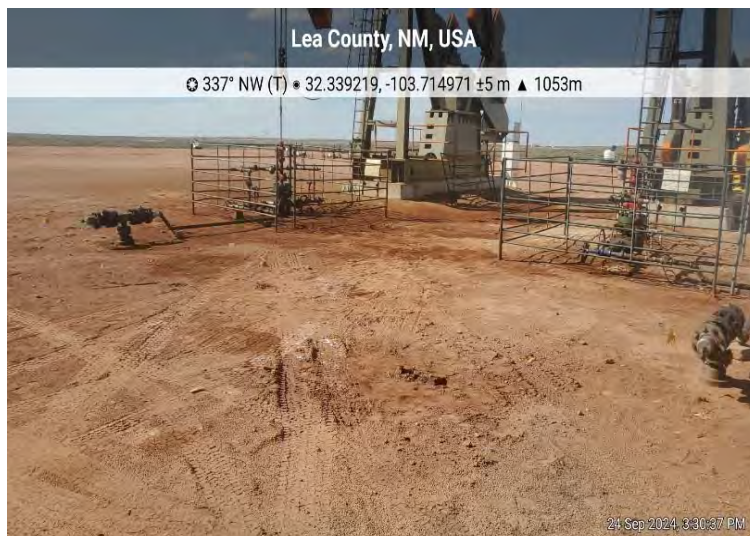
The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 9/23/2024 at 1:16 PM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by 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.

## **PHOTOGRAPHIC LOG**

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**PHOTOGRAPHIC LOG**  
**Devon Energy Production Company**  
**Boundary Raider 6-7 Fed Com 212H**

**Photograph No. 1****Facility:** Boundary Raider 6-7 Fed Com 212H**County:** Lea County, New Mexico**Description:**  
Area of Concern**Photograph No. 2****Facility:** Boundary Raider 6-7 Fed Com 212H**County:** Lea County, New Mexico**Description:**  
Area of Concern**Photograph No. 3****Facility:** Boundary Raider 6-7 Fed Com 212H**County:** Lea County, New Mexico**Description:**  
Area of Concern

## PHOTOGRAPHIC LOG

Devon Energy Production Company  
Boundary Raider 6-7 Fed Com 212H

### Photograph No. 4

**Facility:** Boundary Raider 6-7 Fed Com 212H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern



### Photograph No. 5

**Facility:** Boundary Raider 6-7 Fed Com 212H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern



### Photograph No. 6

**Facility:** Boundary Raider 6-7 Fed Com 212H

**County:** Lea County, New Mexico

**Description:**  
View of Test Pits



## PHOTOGRAPHIC LOG

Devon Energy Production Company  
Boundary Raider 6-7 Fed Com 212H

### Photograph No. 7

**Facility:** Boundary Raider 6-7 Fed Com 212H

**County:** Lea County, New Mexico

**Description:**  
View of Test Pits

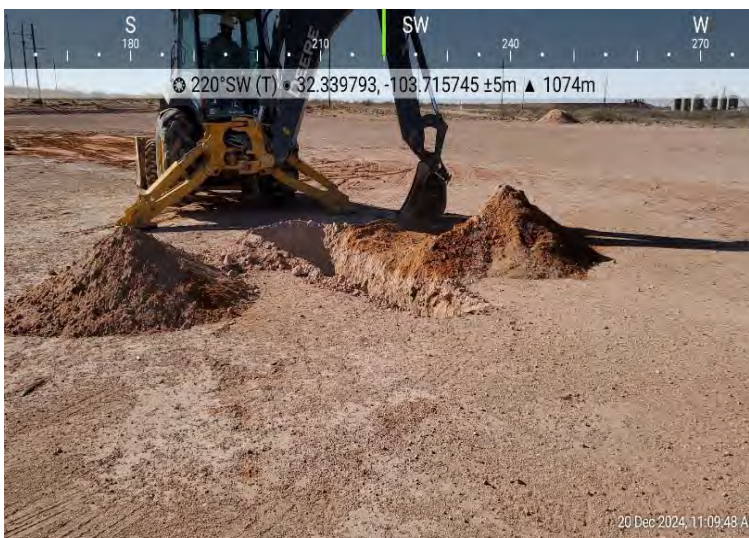


### Photograph No. 8

**Facility:** Boundary Raider 6-7 Fed Com 212H

**County:** Lea County, New Mexico

**Description:**  
View of Test Pits



### Photograph No. 9

**Facility:** Boundary Raider 6-7 Fed Com 212H

**County:** Lea County, New Mexico

**Description:**  
Area of Concern



## **LABORATORY REPORTS AND CHAIN-OF-CUSTODY DOCUMENTS**



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

---

September 30, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BOUNDARY RAIDER 6 - 7

Enclosed are the results of analyses for samples received by the laboratory on 09/25/24 13:45.

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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 1 0-.5' (H245822-01)**

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	09/27/2024	ND	1.85	92.3	2.00	3.80	
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.8	2.00	2.55	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	1.97	98.6	2.00	1.84	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.91	98.5	6.00	1.70	
Total BTX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	480	16.0	09/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	211	105	200	5.34	
DRO >C10-C28*	275	10.0	09/26/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	90.1	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 99.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.1 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 2 0-.5' (H245822-02)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	211	105	200	5.34	
DRO >C10-C28*	42.3	10.0	09/26/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	21.8	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.9 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 3 0-.5' (H245822-03)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.2 % 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	128	16.0	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	211	105	200	5.34	
DRO >C10-C28*	185	10.0	09/26/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	65.1	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 4 0-.5' (H245822-04)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	15200	16.0	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	211	105	200	5.34	
DRO >C10-C28*	54.3	10.0	09/26/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 5 0-.5' (H245822-05)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEx	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	256	16.0	09/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	211	105	200	5.34	
DRO >C10-C28*	221	10.0	09/26/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	76.9	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 6 0-.5' (H245822-06)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.2 % 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	2840	16.0	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	211	105	200	5.34	
DRO >C10-C28*	29.5	10.0	09/26/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 7 0-.5' (H245822-07)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	211	105	200	5.34	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 8 0-.5' (H245822-08)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEx	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	211	105	200	5.34	
DRO >C10-C28*	3910	10.0	09/26/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	2470	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 90.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 9 0-.5' (H245822-09)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 97.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	211	105	200	5.34	
DRO >C10-C28*	33.5	10.0	09/27/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 10 0-.5' (H245822-10)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	416	16.0	09/26/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	211	105	200	5.34	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.6 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 1 0-.5' (H245822-11)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEx	<0.300	0.300	09/27/2024	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	2720	16.0	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.9	10.0	09/27/2024	ND	211	105	200	5.34	
DRO >C10-C28*	1340	10.0	09/27/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	259	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 1 1'-1.5' (H245822-12)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64	
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345	
Total BTX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	672	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	211	105	200	5.34	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 1 2'-2.5' (H245822-13)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEx	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.5 % 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	112	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/26/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 126 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 1 3'-3.5' (H245822-14)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.01	100	2.00	0.227		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 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	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	18.4	10.0	09/26/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 124 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 2 0-.5' (H245822-15)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>3.64</b>	1.00	09/27/2024	ND	1.96	98.1	2.00	1.64	
<b>Toluene*</b>	<b>38.3</b>	1.00	09/27/2024	ND	1.94	96.9	2.00	0.246	
<b>Ethylbenzene*</b>	<b>26.0</b>	1.00	09/27/2024	ND	2.01	100	2.00	0.227	
<b>Total Xylenes*</b>	<b>123</b>	3.00	09/27/2024	ND	5.98	99.7	6.00	0.345	
<b>Total BTEX</b>	<b>191</b>	6.00	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 147 % 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
<b>Chloride</b>	<b>6100</b>	16.0	09/27/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-06	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>2840</b>	50.0	09/27/2024	ND	198	99.2	200	1.13	
<b>DRO &gt;C10-C28*</b>	<b>14100</b>	50.0	09/27/2024	ND	193	96.7	200	1.69	
<b>EXT DRO &gt;C28-C36</b>	<b>2470</b>	50.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 172 % 48.2-134

Surrogate: 1-Chlorooctadecane 275 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 2 1'-1.5' (H245822-16)**

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	09/27/2024	ND	1.96	98.1	2.00	1.64	
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.9	2.00	0.246	
Ethylbenzene*	<b>0.086</b>	0.050	09/27/2024	ND	2.01	100	2.00	0.227	
Total Xylenes*	<b>0.589</b>	0.150	09/27/2024	ND	5.98	99.7	6.00	0.345	
Total BTEX	<b>0.675</b>	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	<b>2280</b>	16.0	09/27/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<b>25.2</b>	10.0	09/26/2024	ND	198	99.2	200	1.13		
DRO >C10-C28*	<b>439</b>	10.0	09/26/2024	ND	193	96.7	200	1.69		
EXT DRO >C28-C36	<b>88.5</b>	10.0	09/26/2024	ND						

Surrogate: 1-Chlorooctane 155 % 48.2-134

Surrogate: 1-Chlorooctadecane 154 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 2 2'-2.5' (H245822-17)**

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	09/28/2024	ND	2.09	104	2.00	11.6		
Toluene*	0.495	0.050	09/28/2024	ND	2.19	110	2.00	10.2		
Ethylbenzene*	0.842	0.050	09/28/2024	ND	2.35	118	2.00	10.2	QM-07	
Total Xylenes*	5.26	0.150	09/28/2024	ND	7.15	119	6.00	11.8	QM-07	
Total BTEX	6.59	0.300	09/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 129 % 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	2120	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	192	10.0	09/26/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	2090	10.0	09/26/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	389	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 2 3'-3.5' (H245822-18)**

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	09/28/2024	ND	2.09	104	2.00	11.6		
Toluene*	<0.050	0.050	09/28/2024	ND	2.19	110	2.00	10.2		
Ethylbenzene*	<0.050	0.050	09/28/2024	ND	2.35	118	2.00	10.2		
Total Xylenes*	<0.150	0.150	09/28/2024	ND	7.15	119	6.00	11.8		
Total BTEX	<0.300	0.300	09/28/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	2000	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	58.6	10.0	09/26/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 91.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 2 4'-4.5' (H245822-19)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/28/2024	ND	2.09	104	2.00	11.6	
Toluene*	<b>0.121</b>	0.050	09/28/2024	ND	2.19	110	2.00	10.2	
Ethylbenzene*	<b>0.245</b>	0.050	09/28/2024	ND	2.35	118	2.00	10.2	
Total Xylenes*	<b>1.65</b>	0.150	09/28/2024	ND	7.15	119	6.00	11.8	
Total BTEX	<b>2.01</b>	0.300	09/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 138 % 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	<b>2200</b>	16.0	09/27/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<b>58.9</b>	10.0	09/26/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	<b>1100</b>	10.0	09/26/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<b>200</b>	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 3 0-.5' (H245822-20)**

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Benzene*</b>	<b>0.898</b>	0.200	09/28/2024	ND	2.09	104	2.00	11.6	
<b>Toluene*</b>	<b>15.4</b>	0.200	09/28/2024	ND	2.19	110	2.00	10.2	
<b>Ethylbenzene*</b>	<b>10.8</b>	0.200	09/28/2024	ND	2.35	118	2.00	10.2	
<b>Total Xylenes*</b>	<b>51.9</b>	0.600	09/28/2024	ND	7.15	119	6.00	11.8	
<b>Total BTEX</b>	<b>78.9</b>	1.20	09/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 135 % 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
<b>Chloride</b>	<b>24000</b>	16.0	09/27/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>GRO C6-C10*</b>	<b>1310</b>	10.0	09/27/2024	ND	198	99.2	200	1.13	
<b>DRO &gt;C10-C28*</b>	<b>7800</b>	10.0	09/27/2024	ND	193	96.7	200	1.69	
<b>EXT DRO &gt;C28-C36</b>	<b>1320</b>	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 148 % 48.2-134

Surrogate: 1-Chlorooctadecane 174 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 3 1'-1.5' (H245822-21)**

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	09/28/2024	ND	2.09	104	2.00	11.6	
Toluene*	<0.050	0.050	09/28/2024	ND	2.19	110	2.00	10.2	
Ethylbenzene*	<0.050	0.050	09/28/2024	ND	2.35	118	2.00	10.2	
Total Xylenes*	<0.150	0.150	09/28/2024	ND	7.15	119	6.00	11.8	
Total BTEX	<0.300	0.300	09/28/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	9730	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	94.6	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	28.3	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.5 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 3 2'-2.5' (H245822-22)**

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	09/27/2024	ND	2.00	100	2.00	7.23	
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	4720	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	21.0	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 3 3'-3.5' (H245822-23)**

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	09/27/2024	ND	2.00	100	2.00	7.23	
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	4000	16.0	09/27/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	235	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	46.8	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 4 0-.5' (H245822-24)**

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	09/27/2024	ND	2.00	100	2.00	7.23		
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17		
Total BTEx	<0.300	0.300	09/27/2024	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	6960	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	23.6	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 4 1'-1.5' (H245822-25)**

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	09/27/2024	ND	2.00	100	2.00	7.23		
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17		
Total BTEX	<0.300	0.300	09/27/2024	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	1920	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.7 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 4 2'-2.5' (H245822-26)**

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	09/27/2024	ND	2.00	100	2.00	7.23		
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17		
Total BTEx	<0.300	0.300	09/27/2024	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	2400	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 103 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 4 3'-3.5' (H245822-27)**

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	09/27/2024	ND	2.00	100	2.00	7.23		
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17		
Total BTEx	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 105 % 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	960	16.0	09/27/2024	ND	416	104	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 5 0-.5' (H245822-28)**

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	09/27/2024	ND	2.00	100	2.00	7.23		
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	17400	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	<10.0	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 5 1'-1.5' (H245822-29)**

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	09/27/2024	ND	2.00	100	2.00	7.23	
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	3240	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	92.1	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	22.5	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.4 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 5 2'-2.5' (H245822-30)**

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	09/27/2024	ND	2.00	100	2.00	7.23	
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17	
Total BTEX	<0.300	0.300	09/27/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 106 % 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	4240	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	131	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	32.4	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.2 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 5 3'-3.5' (H245822-31)**

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	09/27/2024	ND	2.00	100	2.00	7.23		
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17		
Total BTEX	<0.300	0.300	09/27/2024	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	4640	16.0	09/27/2024	ND	416	104	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	17.9	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.6 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 6 0-.5' (H245822-32)**

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	09/27/2024	ND	2.00	100	2.00	7.23		
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17		
Total BTEx	<0.300	0.300	09/27/2024	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	10600	16.0	09/26/2024	ND	432	108	400	0.00	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	198	99.2	200	1.13	
DRO >C10-C28*	655	10.0	09/27/2024	ND	193	96.7	200	1.69	
EXT DRO >C28-C36	169	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 6 1'-1.5' (H245822-33)**

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	09/27/2024	ND	2.00	100	2.00	7.23	
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17	
Total BTEx	<0.300	0.300	09/27/2024	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	4640	16.0	09/26/2024	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	09/27/2024	ND	198	99.0	200	2.23	
DRO >C10-C28*	297	10.0	09/27/2024	ND	181	90.4	200	1.34	
EXT DRO >C28-C36	70.5	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.9 % 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:	09/25/2024	Sampling Date:	09/24/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: V - 6 2'-2.5' (H245822-34)**

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	09/27/2024	ND	2.00	100	2.00	7.23	
Toluene*	<0.050	0.050	09/27/2024	ND	2.07	103	2.00	7.53	
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	2.09	104	2.00	7.00	
Total Xylenes*	<0.150	0.150	09/27/2024	ND	6.44	107	6.00	7.17	
Total BTEx	<0.300	0.300	09/27/2024	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	1860	16.0	09/26/2024	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	09/27/2024	ND	198	99.0	200	2.23	
DRO >C10-C28*	24.3	10.0	09/27/2024	ND	181	90.4	200	1.34	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 79.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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---

### Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
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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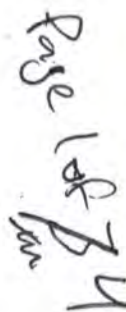
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A handwritten signature in black ink, appearing to read "Celey D. Keene", is written over a horizontal line.

---

Celey D. Keene, Lab Director/Quality Manager



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

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



### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

	Lab I.D.
	Sample I.D.

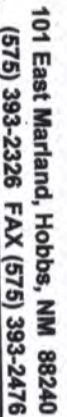
† Cardinal cannot accept verbal changes. Please email changes to [celi.y.keene@cardinallabsnm.com](mailto:celi.y.keene@cardinallabsnm.com)

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

Page 39 of 40



Y. C. N.  
Rough

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Page 40 of 40



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

September 30, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BOUNDARY RAIDER 6 - 7

Enclosed are the results of analyses for samples received by the laboratory on 09/25/24 13:45.

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 style with a large, stylized 'C' and 'K'.

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:	09/25/2024	Sampling Date:	09/25/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 4 (7) 0'-.5' (H245821-01)**

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	09/27/2024	ND	1.85	92.3	2.00	3.80		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.8	2.00	2.55		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	1.97	98.6	2.00	1.84		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.91	98.5	6.00	1.70		
Total BTEX	<0.300	0.300	09/27/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/26/2024	ND	211	105	200	5.34	
DRO >C10-C28*	1230	10.0	09/26/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	276	10.0	09/26/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 187 % 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:	09/25/2024	Sampling Date:	09/25/2024
Reported:	09/30/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	LEA COUNTY		

**Sample ID: H - 6 (5) 0'-.5' (H245821-02)**

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	09/27/2024	ND	1.85	92.3	2.00	3.80		
Toluene*	<0.050	0.050	09/27/2024	ND	1.94	96.8	2.00	2.55		
Ethylbenzene*	<0.050	0.050	09/27/2024	ND	1.97	98.6	2.00	1.84		
Total Xylenes*	<0.150	0.150	09/27/2024	ND	5.91	98.5	6.00	1.70		
Total BTEX	<0.300	0.300	09/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	09/26/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/27/2024	ND	211	105	200	5.34	
DRO >C10-C28*	15.2	10.0	09/27/2024	ND	211	105	200	3.38	
EXT DRO >C28-C36	<10.0	10.0	09/27/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.9 % 49.1-148

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\*=Accredited Analyte

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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.
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**

Paul LaF1

## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>ATC</b>		P.O. #: <b>2414708</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>	
Project Manager: <b>ETHAN SEBUNS</b>		Company: _____					
Address: <b>269 MCLAIR ST</b>		Attn: _____					
City: <b>Carlsbad</b>		Address: _____					
Phone #: <b>264-246-5456</b>		City: _____					
Fax #: _____		State: _____ Zip: _____					
Project #: <b>249161</b>		Project Owner: _____					
Project Name: <b>Bandery Raider 6-7</b>		State: _____ Zip: _____					
Project Location: <b>Los Gatos</b>		Phone #: _____					
Sampler Name: <b>Cyler Kumbell</b>		Fax #: _____					

FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING	
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	DATE	TIME	
				WASTEWATER			
				SOIL			
				OIL			
				SLUDGE			
				OTHER :			
				ACID/BASE:			
				ICE / COOL			
				OTHER :			

Observed Temp. °C	Corrected Temp. °C	Sample Condition	CHECKED BY:	Turnaround Time:	Standard
32.0	32.0	Cool Intact	AP	Thermometer ID #140	<input checked="" type="checkbox"/> Rush
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No			

Bacteria (only)	Sample Condition	Observed Temp. °C	Corrected Temp. °C
<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<input type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact		



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---

October 23, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BOUNDARY RAIDER 6 - 7 FED #212H

Enclosed are the results of analyses for samples received by the laboratory on 10/18/24 11:42.

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:	10/18/2024	Sampling Date:	10/18/2024
Reported:	10/23/2024	Sampling Type:	Soil
Project Name:	BOUNDARY RAIDER 6 - 7 FED #212H	Sampling Condition:	Cool & Intact
Project Number:	249161	Sample Received By:	Alyssa Parras
Project Location:	DEVON - LEA COUNTY		

**Sample ID: TP - 1 4' (H246385-01)**

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	10/20/2024	ND	2.02	101	2.00	1.60	
Toluene*	<0.050	0.050	10/20/2024	ND	2.09	105	2.00	1.90	
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.12	106	2.00	1.77	
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.35	106	6.00	1.71	
Total BTX	<0.300	0.300	10/20/2024	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	10/21/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.8 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 1 5' (H246385-02)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEX	<0.300	0.300	10/20/2024	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	64.0	16.0	10/21/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 67.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 75.1 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 1 6' (H246385-03)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTX	<0.300	0.300	10/20/2024	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	<16.0	16.0	10/21/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 84.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 2 5' (H246385-04)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTX	<0.300	0.300	10/20/2024	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	32.0	16.0	10/21/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/21/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 69.3 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 2 6' (H246385-05)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTX	<0.300	0.300	10/20/2024	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	32.0	16.0	10/21/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 67.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.5 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 2 7' (H246385-06)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEX	<0.300	0.300	10/20/2024	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	32.0	16.0	10/21/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/22/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 2 8' (H246385-07)**

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	10/20/2024	ND	2.16	108	2.00	3.40	
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00	
Total BTEX	<0.300	0.300	10/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	10/22/2024	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	10/22/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 87.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.0 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 3 5' (H246385-08)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEx	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/22/2024	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	10/22/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 70.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.0 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 3 6' (H246385-09)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTX	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/22/2024	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	10/22/2024	ND	217	109	200	17.8	
DRO >C10-C28*	141	10.0	10/22/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	31.7	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 76.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 3 7' (H246385-10)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEx	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	10/22/2024	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	10/22/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 78.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.0 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 3 8' (H246385-11)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/20/2024	ND	2.16	108	2.00	3.40	
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00	
Total BTX	<0.300	0.300	10/20/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	10/22/2024	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	10/22/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 87.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 98.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 4 5' (H246385-12)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEx	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/22/2024	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	10/22/2024	ND	217	109	200	17.8	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	218	109	200	18.0	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 79.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.1 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 4 6' (H246385-13)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTX	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	496	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 91.8 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 4 7' (H246385-14)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEX	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	304	16.0	10/22/2024	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	10/22/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 4 8' (H246385-15)**

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	10/20/2024	ND	2.16	108	2.00	3.40	
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00	
Total BTEX	<0.300	0.300	10/20/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/22/2024	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	10/22/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 129 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 5 4' (H246385-16)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEX	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.1 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 5 5' (H246385-17)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTX	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 5 6' (H246385-18)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEX	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.9 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 5 7' (H246385-19)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEX	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 5 8' (H246385-20)**

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	10/20/2024	ND	2.16	108	2.00	3.40	
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49	
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67	
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00	
Total BTEx	<0.300	0.300	10/20/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 122 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: TP - 3 9' (H246385-21)**

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	10/20/2024	ND	2.16	108	2.00	3.40		
Toluene*	<0.050	0.050	10/20/2024	ND	2.08	104	2.00	2.49		
Ethylbenzene*	<0.050	0.050	10/20/2024	ND	2.09	104	2.00	1.67		
Total Xylenes*	<0.150	0.150	10/20/2024	ND	6.22	104	6.00	2.00		
Total BTEx	<0.300	0.300	10/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.9 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 1A 0-6" (H246385-22)**

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	10/21/2024	ND	2.05	103	2.00	2.85		
Toluene*	<0.050	0.050	10/21/2024	ND	2.02	101	2.00	3.17		
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.06	103	2.00	3.65		
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.18	103	6.00	3.80		
Total BTX	<0.300	0.300	10/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 86.0 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 3A 0-6" (H246385-23)**

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	10/21/2024	ND	2.05	103	2.00	2.85		
Toluene*	<0.050	0.050	10/21/2024	ND	2.02	101	2.00	3.17		
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.06	103	2.00	3.65		
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.18	103	6.00	3.80		
Total BTEx	<0.300	0.300	10/21/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	10/22/2024	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	10/21/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/21/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/21/2024	ND					

Surrogate: 1-Chlorooctane 89.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.5 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 4A 0-6" (H246385-24)**

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	10/21/2024	ND	2.05	103	2.00	2.85		
Toluene*	<0.050	0.050	10/21/2024	ND	2.02	101	2.00	3.17		
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.06	103	2.00	3.65		
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.18	103	6.00	3.80		
Total BTEX	<0.300	0.300	10/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	10/22/2024	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	10/22/2024	ND	236	118	200	13.9	
DRO >C10-C28*	91.8	10.0	10/22/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	21.5	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 5A 0-6" (H246385-25)**

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	10/21/2024	ND	2.05	103	2.00	2.85		
Toluene*	<0.050	0.050	10/21/2024	ND	2.02	101	2.00	3.17		
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.06	103	2.00	3.65		
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.18	103	6.00	3.80		
Total BTX	<0.300	0.300	10/21/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	10/22/2024	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	10/22/2024	ND	236	118	200	13.9	
DRO >C10-C28*	17.2	10.0	10/22/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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: 10/18/2024  
 Reported: 10/23/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 10/18/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Alyssa Parras

**Sample ID: H - 8A 0-6" (H246385-26)**

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	10/21/2024	ND	2.05	103	2.00	2.85	
Toluene*	<0.050	0.050	10/21/2024	ND	2.02	101	2.00	3.17	
Ethylbenzene*	<0.050	0.050	10/21/2024	ND	2.06	103	2.00	3.65	
Total Xylenes*	<0.150	0.150	10/21/2024	ND	6.18	103	6.00	3.80	
Total BTX	<0.300	0.300	10/21/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	10/22/2024	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	10/22/2024	ND	236	118	200	13.9	
DRO >C10-C28*	<10.0	10.0	10/22/2024	ND	236	118	200	13.1	
EXT DRO >C28-C36	<10.0	10.0	10/22/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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### Notes and Definitions

QR-03	The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

---

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

---

Celey D. Keene, Lab Director/Quality Manager



**CARDINAL**  
Laboratories

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

### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

**Company Name:** NTGE

**Project Manager:** Ethan Sessums

**Address:** 269 West McKay St

**City:** Carlsbad

**State:** NM **Zip:** 88220

**Phone #:** 249161 **Fax #:**

**Project Name:** Boundary Raider 6-7 Fed #2124

**Project Location:** Lea County Clayton

**Sample Name:**

FOR LAB USE ONLY

**P.O. #:** 21414708

**Company:** Devon

**Attn:**

**Address:**

**City:**

**State:** **Zip:**

**Phone #:**

**Fax #:**

**Lab I.D.:**

**Sample I.D.:**

TP-1 4' 5' 6' 7' 8' 9' 10'

TP-1 5' 6' 7' 8' 9' 10'

TP-2 5' 6' 7' 8' 9' 10'

TP-2 5' 6' 7' 8' 9' 10'

TP-3 5' 6' 7' 8' 9' 10'

TP-3 5' 6' 7' 8' 9' 10'

**DATE** **TIME**

10/18

**Relinquished By:**

**Relinquished By:**

**Date:** 10/18 **Time:** 11:00

**Received By:**

**Date:** 10/18 **Time:** 11:00

**Verbal Result:** ☐ Yes ☐ No **Add'l Phone #:**

**All Results are emailed. Please provide Email address:**

**Turnaround Time:**

**Standard** ☒ **Rush** ☐

**Bacteria (only) Sample Condition**

**Cool Intact** ☐ **Observed Temp. °C**

**Thermometer ID #140** **Correction Factor -0.5°C**

**REMARKS:**

BTEX

TPH

Chloride



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <b>NTGE</b>		P.O. #: <b>21914708</b>		ANALYSIS REQUEST	
Project Manager: <b>Ethan Sessums</b>		Company: <b>Devon</b>			
Address: <b>209 West McKel St</b>		Attn:			
City: <b>Carlsbad</b>		Address:			
State: <b>NM</b> Zip: <b>88220</b>		City:			
Phone #:		State:			
Fax #:		Zip:			
Project #: <b>249161</b>		Project Owner:			
Project Name: <b>Boundary Rider 6-7 Fed #212 H</b>		City:			
Project Location: <b>Lea County</b>		State:			
Sample Name: <b>Clayford</b>		Phone #:			
FOR LAB USE ONLY		Fax #:			
Lab I.D.		Sample I.D.			
<b>11</b> TP-3 8' 1 <b>12</b> TP-4 5' 1 <b>13</b> TP-4 6' 1 <b>14</b> TP-4 7' 1 <b>15</b> TP-4 8' 1 <b>16</b> TP-5 4' 1 <b>17</b> TP-5 3' 1 <b>18</b> TP-5 6' 1 <b>19</b> TP-5 7' 1 <b>20</b> TP-5 8' 1		(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :		MATRIX PRESERV DATE TIME	
<b>11</b> <b>HALU385</b> <b>12</b> <b>13</b> <b>14</b> <b>15</b> <b>16</b> <b>17</b> <b>18</b> <b>19</b> <b>20</b>		<b>10/15</b> <b>10/16</b> <b>10/16</b> <b>10/16</b> <b>10/16</b> <b>10/16</b> <b>10/16</b> <b>10/16</b> <b>10/16</b> <b>10/16</b>		<b>BTEX</b> <b>TPH</b> <b>Chloride</b>	
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Relinquished By: <b>[Signature]</b> Date: <b>10/15</b> Time: <b>11:15</b>		Received By: <b>[Signature]</b> Date: <b>10/16</b> Time: <b>11:15</b>		REMARKS:	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C: <b>58.0</b> Corrected Temp. °C: <b>58.2</b>		Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Checked BY: <b>AP</b> Turnaround Time: <b>Standard</b> Thermometer ID #140 Correction Factor -0.5°C Bacteria (only) <input checked="" type="checkbox"/> Add'l Phone #:	

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



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

# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>Company Name:</b> NTGE <b>Project Manager:</b> Ethan Sessions <b>Address:</b> 209 West McKay St <b>City:</b> Carlisbad <b>State:</b> NM <b>Zip:</b> 88220 <b>Phone #:</b> <b>Fax #:</b> <b>Project #:</b> 249161 <b>Project Owner:</b> <b>Project Name:</b> Boundary Rider 6-7 Fed #21214 <b>Project Location:</b> Lea County <b>Sampler Name:</b> Clayton T				<b>BILL TO</b> <b>P.O. #:</b> 2144708 <b>Company:</b> Devon <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>																			
<b>FOR LAB USE ONLY</b>				<b>MATRIX</b> (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				<b>PRESERV</b> ACID/BASE: ICE / COOL OTHER:				<b>SAMPLING</b> DATE TIME				BTEX TPH Chloride											
<b>Lab I.D.</b> HAWKSS 01 02 03 04 05 06				<b>Sample I.D.</b> TP-3 H-1A H-3A H-4A H-5A H-6A 0-6" 0-6" 0-6" 0-6" 0-6"				9' 0-6" 0-6" 0-6" 0-6" 0-6"				10/16				10/16											
<b>PLEASE NOTE:</b> 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. Please copy of all requests to the performance of services rendered by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.				<b>Relinquished By:</b> [Signature] Date: 10/16 Time: 11:43 Received By: [Signature]				<b>REMARKS:</b> Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor -0.5°C Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Sample Condition <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: All Results are emailed. Please provide Email address:															
<b>Delivered By:</b> (Circle One) Sampler - UPS - Bus - Other:				<b>Observed Temp. °C:</b> 58.0 <b>Corrected Temp. °C:</b> 58.2				<b>Sample Condition</b> Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>				<b>CHECKED BY:</b> (Initials)				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Bacteria (only) <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Sample Condition <input type="checkbox"/> Observed Temp. °C Corrected Temp. °C											

FORM 0006 11-03-0010724

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December 30, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: BOUNDARY RAIDER 6 - 7 FED #212H

Enclosed are the results of analyses for samples received by the laboratory on 12/20/24 12:26.

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".

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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 5 9-9.5' (H247734-01)**

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	12/26/2024	ND	2.20	110	2.00	8.79	
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02	
Total BTX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	96.0	16.0	12/27/2024	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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\*=Accredited Analyte

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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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 5 10-10.5' (H247734-02)**

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	12/26/2024	ND	2.20	110	2.00	8.79		
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	144	16.0	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 11 0-6" (H247734-03)**

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	12/26/2024	ND	2.20	110	2.00	8.79		
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.6 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 12 0-6" (H247734-04)**

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	12/26/2024	ND	2.20	110	2.00	8.79	
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02	
Total BTEx	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	32.0	16.0	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: H - 13 0-6" (H247734-05)**

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	12/26/2024	ND	2.20	110	2.00	8.79	
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02	
Total BTEx	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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\*=Accredited Analyte

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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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 6 0-6" (H247734-06)**

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	12/26/2024	ND	2.20	110	2.00	8.79		
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	496	16.0	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 97.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 6 1-1.5' (H247734-07)**

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	12/26/2024	ND	2.20	110	2.00	8.79		
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 106 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 6 2-2.5' (H247734-08)**

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	12/26/2024	ND	2.20	110	2.00	8.79		
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 89.9 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 6 3-3.5' (H247734-09)**

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	12/26/2024	ND	2.20	110	2.00	8.79		
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02		
Total BTEx	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 6 4-4.5' (H247734-10)**

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	12/26/2024	ND	2.20	110	2.00	8.79		
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 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	12/27/2024	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 108 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 7 0-6" (H247734-11)**

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	12/27/2024	ND	2.20	110	2.00	8.79		
Toluene*	<0.050	0.050	12/27/2024	ND	2.15	107	2.00	9.29		
Ethylbenzene*	<0.050	0.050	12/27/2024	ND	2.17	109	2.00	9.28		
Total Xylenes*	<0.150	0.150	12/27/2024	ND	6.55	109	6.00	9.02		
Total BTEX	<0.300	0.300	12/27/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3040	16.0	12/27/2024	ND	416	104	400	7.41	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	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	197	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 7 1-1.5' (H247734-12)**

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	12/26/2024	ND	2.20	110	2.00	8.79	
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1900	16.0	12/27/2024	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	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	137	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 7 2-2.5' (H247734-13)**

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	12/26/2024	ND	2.20	110	2.00	8.79		
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02		
Total BTEX	<0.300	0.300	12/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	12/27/2024	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	12/26/2024	ND	183	91.5	200	0.157	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	185	92.5	200	1.21	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 7 3-3.5' (H247734-14)**

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	12/26/2024	ND	2.20	110	2.00	8.79	
Toluene*	<0.050	0.050	12/26/2024	ND	2.15	107	2.00	9.29	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	2.17	109	2.00	9.28	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	6.55	109	6.00	9.02	
Total BTEX	<0.300	0.300	12/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.5 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 7 4-4.5' (H247734-15)**

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	12/26/2024	ND	1.82	91.1	2.00	0.743	
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33	
Total BTEx	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 117 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 94.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.1 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 8 0-6" (H247734-16)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.82	91.1	2.00	0.743	
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33	
Total BTEX	<0.300	0.300	12/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1120	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	591	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 8 1-1.5' (H247734-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/26/2024	ND	1.82	91.1	2.00	0.743		
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33		
Total BTEx	<0.300	0.300	12/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1090	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	584	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 78.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.3 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 8 2-2.5' (H247734-18)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.82	91.1	2.00	0.743	
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33	
Total BTEX	<0.300	0.300	12/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	272	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	25.9	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.3 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 8 3-3.5' (H247734-19)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/26/2024	ND	1.82	91.1	2.00	0.743	
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33	
Total BTEx	<0.300	0.300	12/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 81.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.8 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 8 4-4.5' (H247734-20)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/26/2024	ND	1.82	91.1	2.00	0.743		
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110		
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38		
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33		
Total BTEx	<0.300	0.300	12/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.6 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 9 0-6" (H247734-21)**

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	12/26/2024	ND	1.82	91.1	2.00	0.743	
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	608	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 9 1.1.5' (H247734-22)**

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	12/26/2024	ND	1.82	91.1	2.00	0.743	
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33	
Total BTEX	<0.300	0.300	12/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	624	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.3 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 9 2-2.5' (H247734-23)**

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	12/26/2024	ND	1.82	91.1	2.00	0.743	
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33	
Total BTEX	<0.300	0.300	12/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 91.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.4 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 9 3-3.5' (H247734-24)**

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	12/26/2024	ND	1.82	91.1	2.00	0.743	
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33	
Total BTX	<0.300	0.300	12/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 86.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 71.4 % 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: 12/20/2024  
 Reported: 12/30/2024  
 Project Name: BOUNDARY RAIDER 6 - 7 FED #212H  
 Project Number: 249161  
 Project Location: DEVON - LEA COUNTY

Sampling Date: 12/20/2024  
 Sampling Type: Soil  
 Sampling Condition: Cool & Intact  
 Sample Received By: Shalyn Rodriguez

**Sample ID: TP - 9 4-4.5' (H247734-25)**

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	12/26/2024	ND	1.82	91.1	2.00	0.743	
Toluene*	<0.050	0.050	12/26/2024	ND	1.82	90.8	2.00	0.110	
Ethylbenzene*	<0.050	0.050	12/26/2024	ND	1.90	94.8	2.00	2.38	
Total Xylenes*	<0.150	0.150	12/26/2024	ND	5.67	94.4	6.00	4.33	
Total BTEx	<0.300	0.300	12/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	12/27/2024	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	12/26/2024	ND	208	104	200	0.238	
DRO >C10-C28*	<10.0	10.0	12/26/2024	ND	190	94.9	200	0.158	
EXT DRO >C28-C36	<10.0	10.0	12/26/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.1 % 49.1-148

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\*=Accredited Analyte

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



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Notes and Definitions

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

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

Mike Snyder For 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

6/3

Company Name: <b>UTG-F</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																															
Project Manager: <b>Ellyn Sessums</b>		P.O. #: <b>21914708</b>																																	
Address: <b>209 W. McKay St.</b>		Company: <b>Devon</b>																																	
City: <b>Carlsbad</b>		Attn: <b>Jim Haley</b>																																	
State: <b>NM</b> Zip: <b>88220</b>		Address:																																	
Phone #: <b>505-701-2154</b> Fax #:		City:																																	
Project #: <b>249161</b>		State:																																	
Project Name: <b>Banding Reids 6-7 Fed #2121</b>		Zip:																																	
Project Location: <b>Pea County, New Mexico</b>		Phone #:																																	
Sample Name:		Fax #:																																	
FOR LAB USE ONLY																																			
Lab I.D. <b>HB477341</b>		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME		BTEx		TPH		Chloride	
1		TP-5		9-9.5'		5		1				X														12/20									
2		H-11		10-10.5'																															
3		H-12		0-6"																															
4		H-13		0-6"																															
5		TP-6		1-1.5'																															
6				2-2.5'																															
7				3-3.5'																															
8				4-4.5'																															
9																																			
10																																			
<small>PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.</small>																																			
Relinquished By: <b>W</b>		Date: <b>12/20/24</b>		Received By: <b>Stodolney</b>		Date: <b>12/20/24</b>		Time: <b>6:00</b>		Received By: <b>Stodolney</b>		Date: <b>12/20/24</b>		Time: <b>6:00</b>		REMARKS:																			
Delivered By: (Circle One)		Observed Temp. °C <b>04.1</b>		Sample Condition		CHECKED BY: (Initials) <b>SR</b>		Turnaround Time:		Standard <b>Rush</b>		Bacteria (only) Sample Condition		Cool Intact		Observed Temp. °C		Corrected Temp. °C																	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <b>-0.02</b>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No				Thermometer ID #140		Correction Factor -0.5°C		Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No																							
† Cardinal cannot accept verbal changes. Please email changes to <a href="mailto:celey.keene@cardinallabsnm.com">celey.keene@cardinallabsnm.com</a>																																			



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

2/3

Company Name: <b>HTSF</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>									
Project Manager: <b>Elton Searns</b>		P.O. #: <b>21414706</b>											
Address: <b>209 W. Mckay St</b>		Company: <b>Devon</b>											
City: <b>Carlsbad</b>		Attn: <b>Tim Raley</b>											
State: <b>NM</b> Zip: <b>86200</b>		Address:											
Phone #: <b>432-701-2159</b> Fax #:		City:											
Project #: <b>249161</b> Project Owner: <b>Devon</b>		State:											
Project Name: <b>Burbury Raider 6-7 Feb #2124</b>		Zip:											
Project Location: <b>Lea Co, New Mexico</b>		Phone #:											
Sampler Name: <b>Kenny Han</b>		Fax #:											
FOR LAB USE ONLY													
Lab I.D. <b>1847734</b>		Sample I.D.		FOR LAB USE ONLY		MATRIX		PRESERV		SAMPLING			
11		TP-7		C-6"		(G)RAB OR (C)OMP.		DATE		TIME		BTEX	
12				1-1.5'		# CONTAINERS		12/20				TPH	
13				2-2.5'		GROUNDWATER						Chloride	
14				3-3.5'		WASTEWATER							
15				4-4.5'		SOIL							
16				0-6"		OIL							
17				1-1.5'		SLUDGE							
18				2-2.5'		OTHER :							
19				3-3.5'		ACID/BASE:							
20				4-4.5'		ICE / COOL							
						OTHER :							
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Relinquished By: <b>W</b>		Date: <b>12/20/24</b>		Received By: <b>Stocking</b>		Date: <b>12/20/24</b>		Time: <b>12:00</b>		Remarks: <b>Standard</b>		Bacteria (only) Sample Condition	
Relinquished By: <b>W</b>		Date: <b>12/20/24</b>		Received By: <b>Stocking</b>		Date: <b>12/20/24</b>		Time: <b>12:00</b>		Remarks: <b>Standard</b>		Bacteria (only) Sample Condition	
Delivered By: (Circle One)		Observed Temp. °C <b>0.4</b>		Sample Condition		CHECKED BY: <b>SL</b>		Turnaround Time: <b>Standard</b>		Bacteria (only) Sample Condition		Bacteria (only) Sample Condition	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <b>20.2</b>		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140		Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Corrected Temp. °C	
FORM 000 R 3.3 06/09/24													

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

<b>BILL TO</b>		<b>P.O. #:</b> 21914708	
<b>Company Name:</b> MTGE <b>Project Manager:</b> Ethan Sessums	<b>Address:</b> 209 W. McKay St. City: Carlsbad CA 92008 State: NM Zip: 88220	<b>Company:</b> Devon	<b>Attn:</b> Jim Kaley
<b>Phone #:</b> 432-701-2159 Fax #: <b>Project #:</b> 219161 Project Owner: Devon	<b>State:</b> NM	<b>Zip:</b>	<b>Address:</b>
<b>Project Location:</b> Boundary Rider 6-7 Fed #212H	<b>Sample Name:</b> Leach, New Mexico	<b>Date:</b>	<b>Time:</b>
<b>Sampler Name:</b> Penny Han	<b>Fax #:</b>	<b>MATRIX</b>	<b>SAMPLING</b>
<b>FOR LAB USE ONLY</b>		<b>GROUNDWATER</b>	<b>PRESERV.</b>
<b>Lab I.D.</b>	<b>Sample I.D.</b>	<b>WASTEWATER</b>	<b>DATE TIME</b>
#194734	TP-a - C-6"	(G)RAB OR (C)OMP	BIEX
a1	1-1.5'	# CONTAINERS	TPH
a2	2-2.5'	SOIL	Chloride
a3	3-3.5'	OIL	
a4	4-4.5'	SLUDGE	
a5		OTHER :	
		ACID/BASE:	
		ICE / COOL	
		OTHER :	

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---

**Relinquished By:** [Signature]      **Received By:** Stockingney  
**Date:** 12/20/20      **Time:** 1:00 PM

---

**Delivered By:** (Circle One)  
☒ UPS    ☐ Bus    ☐ Other

**Observed Temp.: °C** 0.4      **Cool Intact** Yes ☒  
**Corrected Temp.: °C** 0.2      No ☐

**Turnaround Time:** Standard Rush ☒ Add'l Phone #: \_\_\_\_\_  
Thermometer ID #140 Bacteria (only) Sample Condition Cool Intact Observed Temp. °C Corrected Temp. °C

**REMARKS:** Verbal Result: ☐ Yes ☐ No All Results are emailed. Please provide Email address: \_\_\_\_\_

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS

Action 443950

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443950
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2426430668
Incident Name	NAPP2426430668 BOUNDARY RAIDER 6 7 FEDERAL COM #212H @ 30-025-44146
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-025-44146] BOUNDARY RAIDER 6 7 FEDERAL COM #212H

Location of Release Source	
Please answer all the questions in this group.	
Site Name	BOUNDARY RAIDER 6 7 FEDERAL COM #212H
Date Release Discovered	09/19/2024
Surface Owner	Federal

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure   Well   Crude Oil   Released: 13 BBL   Recovered: 5 BBL   Lost: 8 BBL.
Produced Water Released (bbls) Details	Not answered.
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)	STUFFING BOX FAILED. 12.6 BBLs SPILLED AT WELLHEAD.

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

QUESTIONS, Page 2

Action 443950

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443950
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
Is this a gas only submission (i.e. only significant Mcf values reported)	<b>No, according to supplied volumes this does not appear to be a "gas only" report.</b>
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	<b>No</b>
Reasons why this would be considered a submission for a notification of a major release	<i>Unavailable.</i>
<i>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.</i>	

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

*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@dvni.com Date: 03/19/2025
--	---

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 3

Action 443950

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443950
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**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 51 and 75 (ft.)
What method was used to determine the depth to ground water	Direct Measurement
Did this release impact groundwater or surface water	Yes
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	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	Greater than 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	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)	24000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	19410
GRO+DRO (EPA SW-846 Method 8015M)	16940
BTEX (EPA SW-846 Method 8021B or 8260B)	191
Benzene (EPA SW-846 Method 8021B or 8260B)	4
<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	03/27/2025
On what date will (or did) the final sampling or liner inspection occur	04/21/2025
On what date will (or was) the remediation complete(d)	04/28/2025
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	4535
What is the estimated volume (in cubic yards) that will be remediated	132
<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>	

Sante Fe Main Office  
Phone: (505) 476-3441

General Information  
Phone: (505) 629-6116

Online Phone Directory  
<https://www.emnrd.nm.gov/ocd/contact-us>

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

QUESTIONS, Page 4

Action 443950

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443950
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	HALFWAY DISPOSAL AND LANDFILL [FEEM0112334510]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<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@dmv.com Date: 03/19/2025
<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 443950

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443950
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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QUESTIONS, Page 6

Action 443950

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443950
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

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

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

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CONDITIONS

Action 443950

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 443950
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scott.rodgers	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards for site assessment/characterization/proven depth to water determination. Sidewall samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. Confirmation samples should be collected every 200 ft2. All off pad areas must meet reclamation standards set forth in the OCD Spill Rule. The work will need to occur in 90 days after the work plan has been reviewed.	4/7/2025