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January 12, 2026

To Whom It May Concern
Oil Conservation Division, District 2
811 S. First Street
Artesia, New Mexico 88210

Re: Site Characterization and Remediation Work Plan
3R Operating, LLC
Forehand Ranch 22 State #008H
Unit K, Section 22, Township 23S, Range 27E
Site Coordinates: 32.289568, -104.180084
Lea County, New Mexico
Incident ID: nAB1726257962

Introduction

NTG Environmental, LLC (NTGE), on behalf of 3R Operating, LLC (3R), submits this Remediation Work Plan to the New Mexico Oil Conservation Division (NMOCD). This report provides documentation of initial soil delineation, site assessment, sampling analysis, and remediation activities conducted to date in the affected areas at the Forehand Ranch 22 State #008H (Site). The Site is in Unit Letter K, Section 22, of Township 23 South and Range 27 East in Eddy County, New Mexico. The GPS coordinates for the release site are 32.289568° N Latitude and -104.180084° 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 initial C-141 submitted by Caza and obtained by the New Mexico Oil Conservation District (NMOCD), the release was discovered on September 1, 2017. The release was the result of a fire in the treating tower, resulting in the release of one hundred and fifty-two (152) barrels (bbls) of crude oil, of which forty-eight (48) bbls were recovered. Upon discovery the well was shut-in, and the area was secure. The release area is shown in Figure 3.

Groundwater and Site Characterization

Based on a review of the New Mexico Office of State Engineers and USGS databases, there are no known water sources within a ½-mile radius of the Site. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific boundary or

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distance from the Site. According to the Karst Potential Map, the Site is located within a High Karst potential area.

The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) is attached to the report. NTGE characterized the Site according to Table I, Closure Criteria for Soils Impacted by a Release, from the New Mexico Administrative Code (NMAC) Title 19, Chapter 15, Part 29, Section 12 (NMAC 19.15.29.12).

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
High Karst	Unknown

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
19.15.23.13 Remediation and Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Initial Soil Delineation Assessment Summary and Findings

On January 27, 2025, NTGE conducted site assessment activities to determine the extent of the release impacts. A total of six (6) vertical sample points (i.e., D-1 – D-6) were installed at depths ranging from zero to four and a half (0-4.5) foot below ground surface (ft bgs).

Site assessment activities were conducted to fully characterize and delineate the extent of impacts resulting from the release. Soil samples were collected from the Site using a geotechnical hand auger and submitted to an accredited laboratory for chemical analysis. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) (by EPA Method 8021B), total petroleum hydrocarbon (TPH) (by EPA method SM4500CL-B), and chloride (by EPA method 300). The combined analytical results of the Site assessment activities are provided in Table 1. Soil sample locations are shown in Figure 3. Laboratory reports containing analytical methods and chain-of custody documents are attached.

Analytical results from the initial assessment activities identified elevated chloride and/or TPH concentrations at the following sample points: D-1, D-2, D-3, and D-6. Analytical results of all the remaining samples were below the NMOCD regulatory limits for all analytes.

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Excavation, Waste Management and Confirmation Sampling

Based on the Site assessment activities, Caza proceeded with the remedial action activities at the Site to include the excavation and disposal of impacted soils above NMOCD regulatory limits. The Site was excavated to depths ranging from two to seven (2-7) ft bgs. Upon completion of the excavation, confirmation samples were collected from the excavation's sidewalls and base. The confirmation samples were collected in accordance with one sample per 200 square feet (sq ft) guideline established in the NMOCD regulatory criteria.

On April 4, 2025, a total of fifty-seven (57) confirmation samples were collected. Thirty (30) confirmation samples (i.e., CS-1 – CS-30) were collected from the excavation base as well as twenty-seven (27) confirmation samples (i.e., SW-1 – SW-27) were collected from the excavation sidewalls. Analytical results indicated the following confirmation samples; CS-6, CS- 8 – CS-10, CS-15, CS-17 – CS-24, SW-2, SW-8, SW 11, SW-16, SW-17, SW-26 and SW-27, exhibited chloride and/or TPH concentrations above NMOCD Table 1 Closure Criteria. Analytical results of all the remaining confirmation samples were below the NMOCD regulatory limits for all analytes.

After further excavation, on April 21, 2025, an additional twenty-two (22) confirmation samples were collected. Thirteen (13) confirmation samples (i.e., CS-6, CS-8 – CS-10, CS-15, CS-17 – CS-24) were collected from the excavation base as well as nine (9) confirmation samples (i.e., SW-2A, SW-8A, SW-11A, SW-16A, SW-17A, SW-26A and SW-27A) were collected from the excavation sidewalls. Analytical results indicated the following confirmation sample: CS-23, exhibited chloride concentrations above NMOCD Table 1 Closure Criteria. Analytical results of all the remaining confirmation samples were below the NMOCD regulatory limits for all analytes.

After further excavation, on April 25, 2025, an additional three (3) confirmation samples were collected. One (1) confirmation sample (i.e., CS-23) was collected from the excavation base as well as two (2) confirmation samples (i.e., SW-32 and SW-33) were collected from the excavation sidewalls. Analytical results of all the confirmation samples were below the NMOCD Table 1 Closure Criteria for all analytes.

The excavation extent, excavation depths, and confirmation sample locations are shown on Figure 4. A total of approximately 1,200 cubic yards (yd³) of impacted soil were excavated and transported to a permitted disposal facility. All soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300.0/SM 4500Cl-B). Copies of laboratory analysis and chain-of-custody documentation are attached. The analytical results are summarized in Table 2.

Deferral Request Denial and Karst Survey

On June 13, 2025, the NMOCD denied the deferral request submitted for the site. The deferral was denied for the following reasons:

- 1) Pursuant to 19.15.29.12(C)2 NMAC, a “deferral may be granted so long as the contamination is fully delineated and does not cause an imminent risk to human health, the

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environment, or groundwater.” This site is in a high karst potential occurrence zone and OCD has recently reevaluated karst potential zones and will not approve deferrals in these areas as high karst may cause an imminent risk to groundwater. The operator may choose to have karst surveys performed by a BLM approved karst/cave contractor, to determine if karst features are present at the site. A desktop survey, aerial/pedestrian survey, AND a geophysical survey must be performed. If no karst features are located during any of the surveys AND the geophysical survey shows no other indications of unstable ground, the closure criteria can be based on Table 1 Closure Criteria found in 19.15.29 NMAC. Sites located on BLM or State Land Office (SLO) owned surface will need surface owner approval.

- 1 continued) In addition, a certified civil engineer will need to evaluate the soil type and provide the minimum distance the excavation(s) needs to be from the tanks and how deep the excavation(s) can be prior to requesting a deferral. This document must be stamped by the engineer.
- 2) Under the Site Characterization portion of the C-141 application, the minimum distances to the following are incorrect and should be updated upon application resubmission and within the report: any other significant watercourse (1-5 miles N), any playa lake (500-1000 ft SW), an occupied permanent residence (1/2-1 mile E), a private domestic fresh water well used by less than five households for domestic or stock watering purposes (1/2-1 mile E), a 100-year floodplain (1-5 miles W).

Per the NMOCD’s request NTGE contracted Southwest Geophysical Consulting, LLC (SGC) to conduct an Environmental Karst Study to identify karst potential in the area. The study revealed the following:

- Two recognized surface karst features exist within the 200-foot (61-meter) perimeter of the spill delineation boundary.
- Six recognized surface karst features lie within the 200-meter survey boundary.
- Additionally, one recognized surface karst feature lies within the 305-meter survey boundary, but outside the 200-meter survey boundary.
- No anomalies consistent with subsurface air-filled voids were found within the FR22 resistivity survey area; however, surface karst development indicates unstable ground.
- Moderately flat-lying stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted.

The Environmental Karst Study Report is attached under the site characterization portion of this report.

Additional Delineation and Proposed Work Plan

On November 6 & 14, 2025, NTGE returned to site for further delineation. A total of five (5) additional vertical sample points (i.e., V-1 – V-5) were installed at depths ranging from zero to nine and a half (0-9.5) foot below ground surface (ft bgs). Analytical results from further delineation activities identified elevated chloride and/or TPH concentrations at all the additional sample points.

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Soil samples were collected from the Site using a geotechnical hand auger and submitted to an accredited laboratory for chemical analysis. All soil samples were analyzed for benzene, toluene, ethylbenzene, and xylene (BTEX) (by EPA Method 8021B), total petroleum hydrocarbon (TPH) (by EPA method SM4500CL-B), and chloride (by EPA method 300). The combined analytical results of the further delineation activities are provided in Table 1. Soil sample locations are shown in Figure 3. Laboratory reports containing analytical methods and chain-of custody documents are attached.

After receiving and evaluating the soil boring data NTGE proposes to excavate the area of V-1 to a depth of nine (9) ft bgs, the area of V-2 to a depth of three (3) ft bgs, the area of V-3 to a depth of five (5) ft bgs, the area of V-4 to a depth of one (1) ft bgs, and area V-5 to a depth of six (6) ft bgs to ensure that the impacted soil has been removed from the Site.

The tank battery has since been removed from location. Approximately 3,792 cubic yards of impacted material will be excavated and transported offsite for disposal at an NMOCD approved landfill. The proposed excavation map is shown in the figures portion of this report.

Upon completion of the excavation, confirmation samples will be taken with a five (5) point composite sample and represent an area no greater than two hundred square feet to comply with NMAC 19.15.23.12 and 19.15.29.13. 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 and 19.15.23.13, the areas will be further excavated until concentrations are below Table 3.1 Closure Criteria.

If you have any questions regarding this letter, please contact us at (832) 374-0004.

Sincerely,
NTG Environmental



Kellan Smith
Project Manager

Attachments:

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

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Tables

Table 1
Summary of Soil Analytical Data - Delineation Samples
Forehand Ranch 22 State #008H
3R Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	GRO (C6- C-10)	DRO (C10- C28)	GRO + DRO	MRO (C28- C35)	Total GRO/DRO/MRO	
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Delineation Samples													
D-1	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	912
	1/27/2025	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,010
	1/27/2025	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
	1/27/2025	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
	1/27/2025	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
D-2	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	9,400
D-3	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,390
	1/27/2025	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,600
	1/27/2025	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
	1/27/2025	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	816
	1/27/2025	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
D-4	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	1/27/2025	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	1/27/2025	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	1/27/2025	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	1/27/2025	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
D-5	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	1/27/2025	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	1/27/2025	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	1/27/2025	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
	1/27/2025	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
D-6	1/27/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
	1/27/2025	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	213	213	29.5	242.5	464
	1/27/2025	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
	1/27/2025	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
	1/27/2025	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
V-1	11/6/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	820	820	578	1398	32.0
	11/6/2025	1-1.5'	<0.050	<0.050	2.65	34.1	36.7	526	1610	2136	558	2694	32.0
	11/6/2025	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	11/6/2025	3-3.5'	<0.050	<0.050	6.94	63.4	70.4	1320	3530	4850	1000	5850	16.0
	11/6/2025	4-4.5'	<0.050	<0.050	2.9	36.9	39.8	614	1830	2444	538	2982	<16.0
	11/6/2025	5-5.5'	<0.050	<0.050	3.76	27.2	30.9	472	1380	1852	419	2271	<16.0
	11/6/2025	6-6.5'	<0.050	<0.050	3.91	29.4	33.3	659	1820	2479	197	2676	16.0
	11/6/2025	7-7.5'	<0.050	<0.050	2.79	20.2	23	469	1320	1789	139	1928	16.0
	11/6/2025	8-8.5'	<0.050	<0.050	2.31	13.1	15.4	382	1270	1650	124	1776	32.0

Table 1
Summary of Soil Analytical Data - Delineation Samples
Forehand Ranch 22 State #008H
3R Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
V-2	11/6/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32.0
	11/6/2025	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16.0
	11/6/2025	2-2.5'	<0.050	<0.050	2.01	30.1	32.1	1200	3530	4730	420	5150	32.0
	11/6/2025	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
	11/6/2025	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
V-3	11/14/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
	11/14/2025	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
	11/14/2025	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
	11/14/2025	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
	11/14/2025	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1570
V-4	11/14/2025	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	840	840	707	1547	48
	11/14/2025	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.7	15.7	19.5	35.2	48
	11/14/2025	2-2.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
	11/14/2025	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
	11/14/2025	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	32
V-5	11/14/2025	0-0.5'	<0.050	<0.050	0.798	2.03	2.83	31.1	1580	1611.1	401	2012.1	32
	11/14/2025	1-1.5'	0.396	<0.050	4.82	13.2	18.4	112	436	548	67.6	615.6	<16.0
	11/14/2025	2-2.5'	<0.050	<0.050	0.213	0.479	0.692	<10.0	<10.0	<10.0	<10.0	<10.0	<16.0
	11/14/2025	3-3.5'	<0.050	<0.050	0.202	0.484	0.686	<10.0	247	247	59.9	306.9	80
	11/14/2025	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64
	11/14/2025	5-5.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	75.2	75.2	30.2	105.4	64
	11/14/2025	6-6.6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48
	11/14/2025	7-7.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	21	21	<10.0	21	48
	11/14/2025	8-8.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	43.3	43.3	<10.0	43.3	48
	11/14/2025	9-9.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48

Notes:

1. Values reported in mg/kg
2. < = 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

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Forehand Ranch 22 State #008H
3R Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10- C28)	GRO + DRO	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 >100 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
Base Confirmation Samples													
CS-1	4/4/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
CS-2	4/4/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.2	11.2	<10.0	11.2	160
CS-3	4/4/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	56.0	56.0	<10.0	56.0	560
CS-4	4/4/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
CS-5	4/4/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS-6	4/4/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	130	130	43.1	173.1	448
	4/21/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-7	4/4/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	30.4	30.4	13.2	43.6	240
CS-8	4/4/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
	4/21/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS-9	4/4/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.3	33.3	11.0	44.3	992
	4/21/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
CS-10	4/4/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,140
	4/21/2025	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
CS-11	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
CS-12	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-13	4/4/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
CS-14	4/4/2025	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
CS-15	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	752
	4/21/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	496
CS-16	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
CS-17	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
	4/21/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	464
CS-18	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
	4/21/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS-19	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,680
	4/21/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-20	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
	4/21/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
CS-21	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	656
	4/21/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	368
CS-22	4/4/2025	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
	4/21/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
CS-23	4/4/2025	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	800
	4/21/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	640
	4/25/2025	8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Forehand Ranch 22 State #008H
3R Operating, LLC
Eddy County, New Mexico

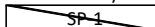
Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10- C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg			
CS-24	4/4/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
	4/21/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-25	4/4/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
CS-26	4/4/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS-27	4/4/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	384
CS-28	4/4/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	512
CS-29	4/4/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320
CS-30	4/4/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS-31	4/4/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
CS-32	4/4/2025	7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
Sidewall Confirmation Samples													
SW-1	4/4/2025	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-2	4/4/2025	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	313	313	45.0	358	864
SW-2A	4/21/2025	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-3	4/4/2025	0-3'	<0.050	<0.050	0.057	1.34	1.40	25.4	703	728.4	73.5	801.9	464
SW-4	4/4/2025	2'-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-5	4/4/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288
SW-6	4/4/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	350	350	73.4	423.4	160
SW-7	4/4/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	33.3	33.3	<10.0	33.3	400
SW-8	4/4/2025	2'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,840
SW-8A	4/21/2025	3-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	416
SW-9	4/4/2025	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	432
SW-10	4/4/2025	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	592
SW-11	4/4/2025	2'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	624
SW-11A	4/21/2025	2-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	480
SW-12	4/4/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
SW-13	4/4/2025	0-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	544
SW-14	4/4/2025	2'-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-15	4/4/2025	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	332	332	155	487	5,040
SW-16	4/4/2025	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	10.1	10.1	<10.0	10.1	1,230
SW-16A	4/21/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-17	4/4/2025	4'-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,220
SW-17A	4/21/2025	4-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-18	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	11.5	11.5	<10.0	11.5	272
SW-19	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-20	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	256
SW-21	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Forehand Ranch 22 State #008H
3R Operating, LLC
Eddy County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10- C28)	GRO + DRO	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)
			Table I Closure Criteria for Soil >100 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
SW-22	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-23	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	80.0
SW-24	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-25	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	15.8	15.8	<10.0	15.8	208
SW-26	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	720
SW-27	4/4/2025	0-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	672
SW-28	4/21/2025	2-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-29	4/21/2025	2-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	128
SW-30	4/21/2025	2-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	144
SW-31	4/21/2025	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
SW-32	4/25/2025	7-8'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-33	4/25/2025	4-7'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	320

Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B

 Sample Point Excavated

- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil

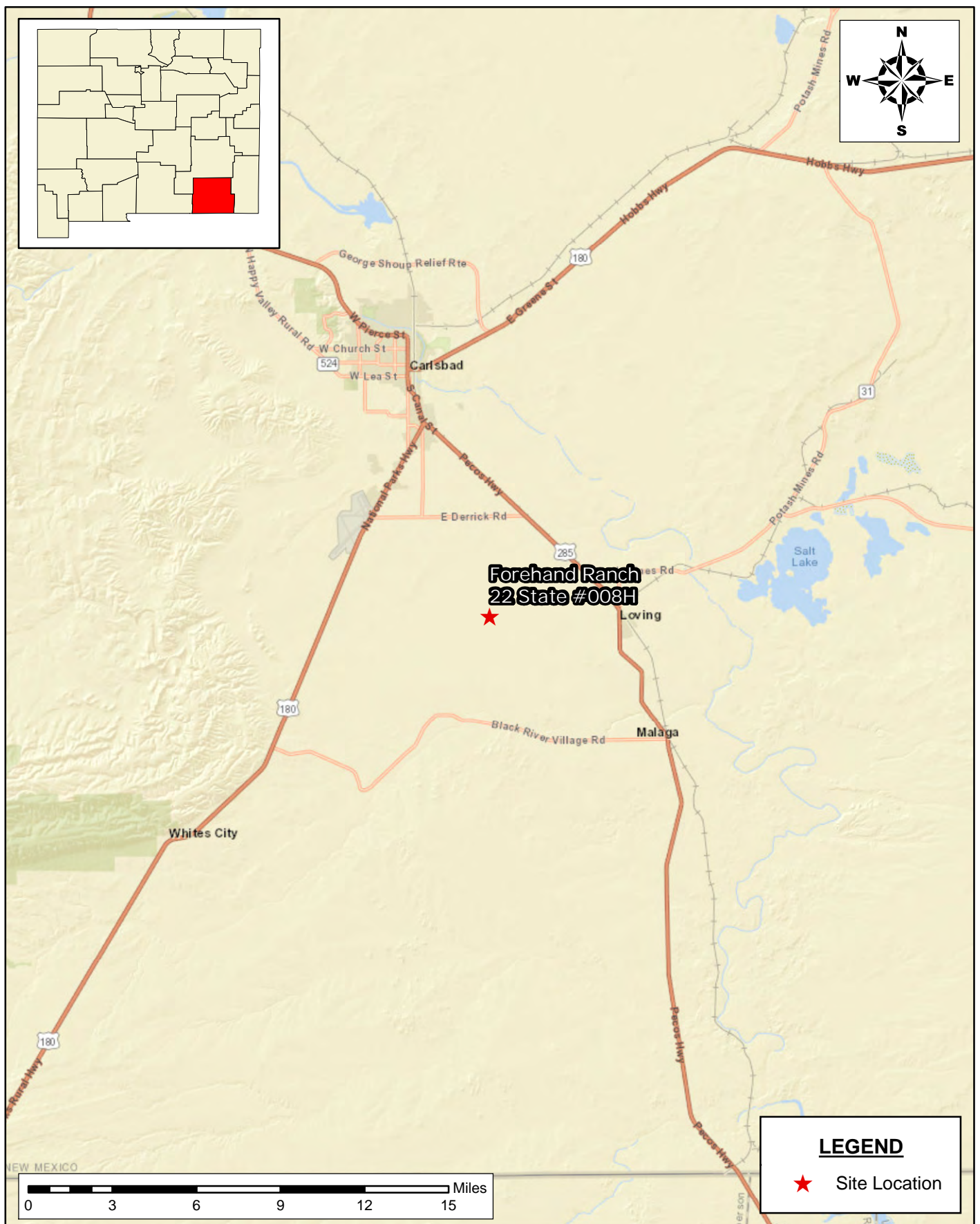
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

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).

- Not Analyzed

Figures

Document Path: C:\Users\ntg\Documents\New Tech Global\NTGE - Projects\2024 PROJECTS\CAZAR\SC248980 - Sioux 25-36 CTB\7- Figures\GIS\Figure_1_SL.mxd



**SITE LOCATION MAP
WORKPLAN**
3R OPERATING, LLC
FOREHAND RANCH 22 STATE 8H
EDDY COUNTY, NEW MEXICO

SCALE: As Shown Date: 1/15/2025 PROJECT #: 2510644

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

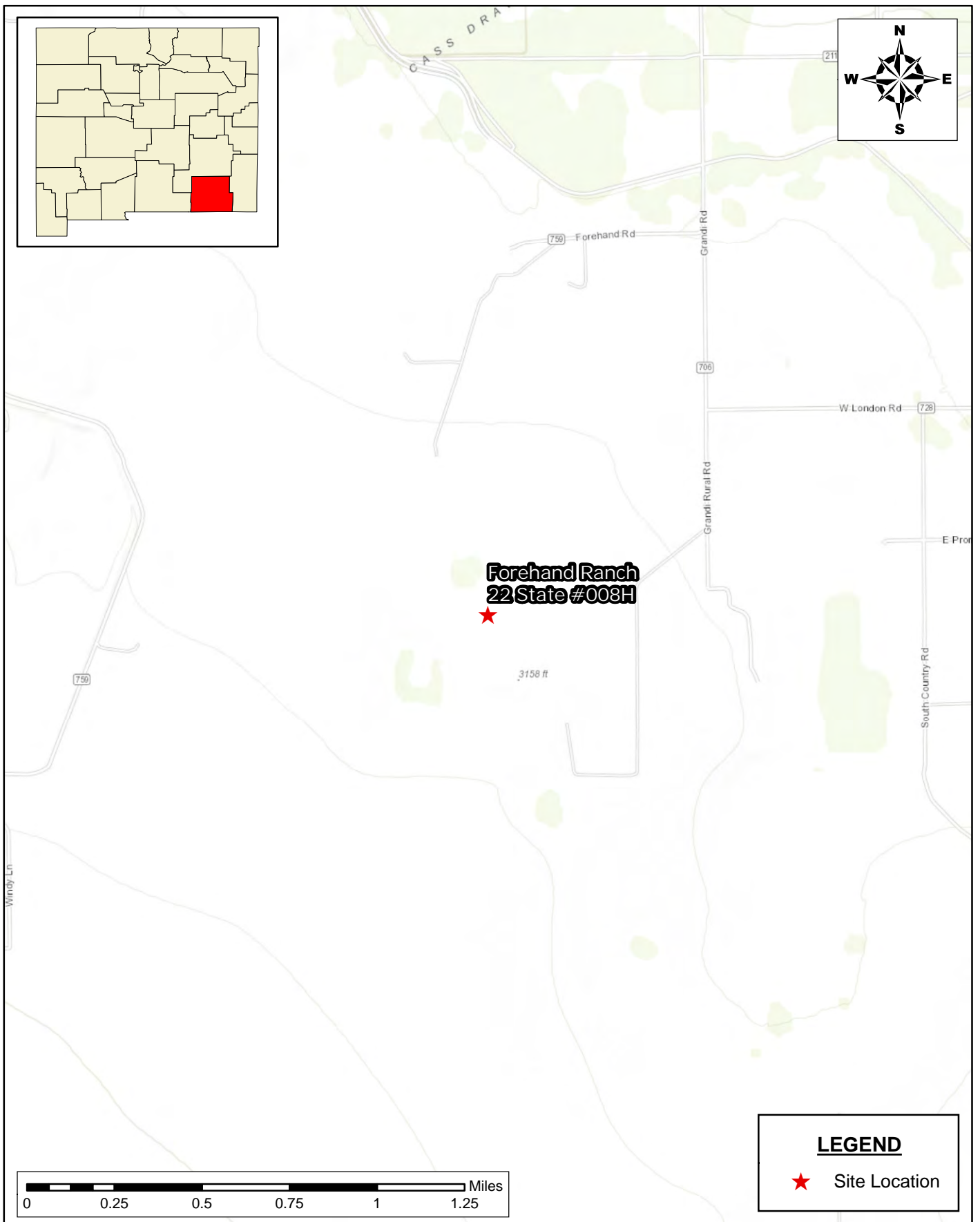
DRAWING NUMBER:

FIGURE 1

SHEET NUMBER:

1 of 1

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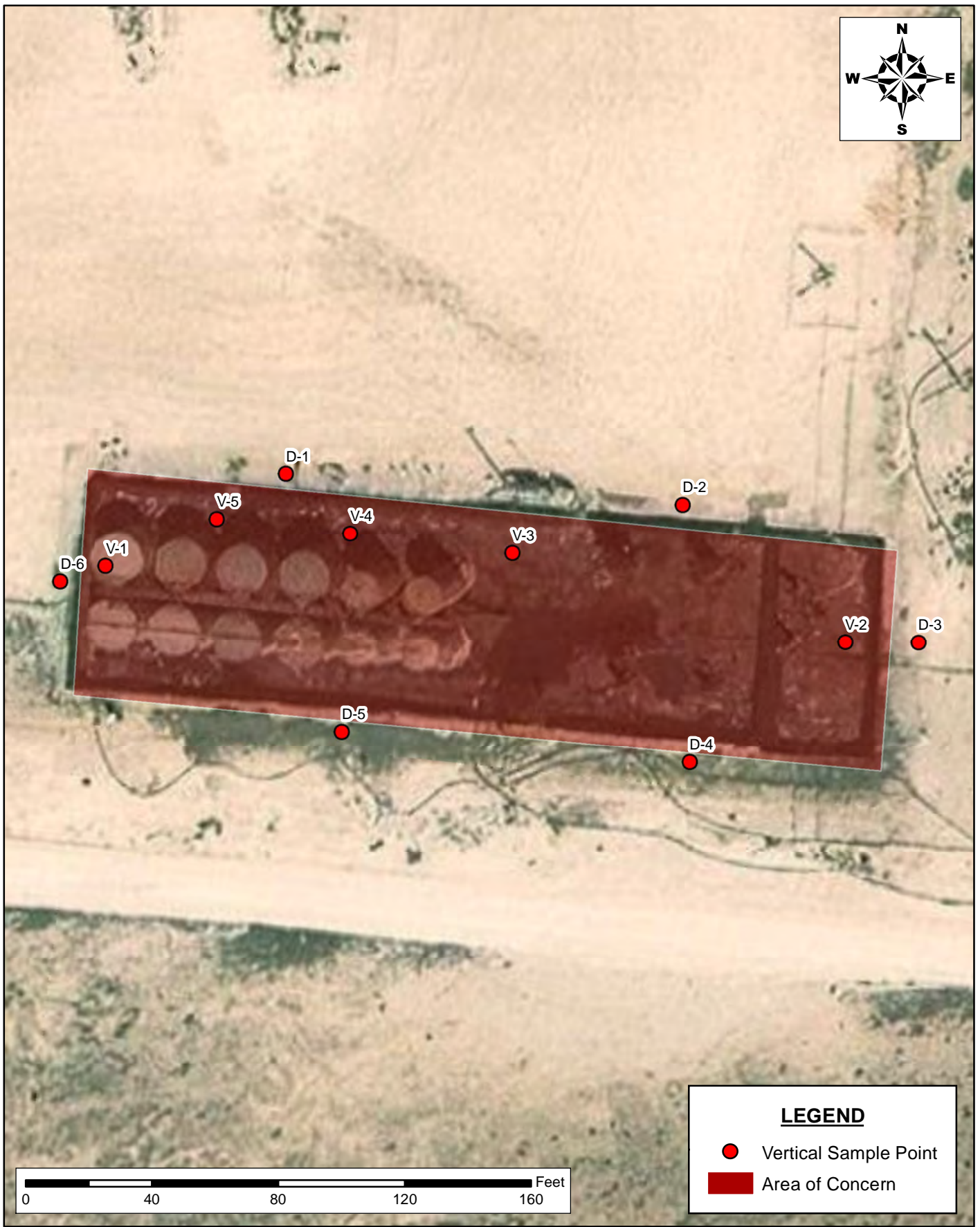
TOPOGRAPHIC MAP WORKPLAN 3R OPERATING, LLC FOREHAND RANCH 22 STATE 8H EDDY COUNTY, NEW MEXICO		
SCALE: As Shown	Date: 1/15/2025	PROJECT #: 2510644

	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 2
SHEET NUMBER:
1 of 1

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LEGEND

- Vertical Sample Point
- Area of Concern

**DELINEATION MAP
WORKPLAN**
FOREHAND RANCH 22 STATE 8H
3R OPERATING, LLC
EDDY COUNTY, NEW MEXICO



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Web: www.ntgenviroinmental.com

NOTES:

1. Base Image: ESRI Maps & Data 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:

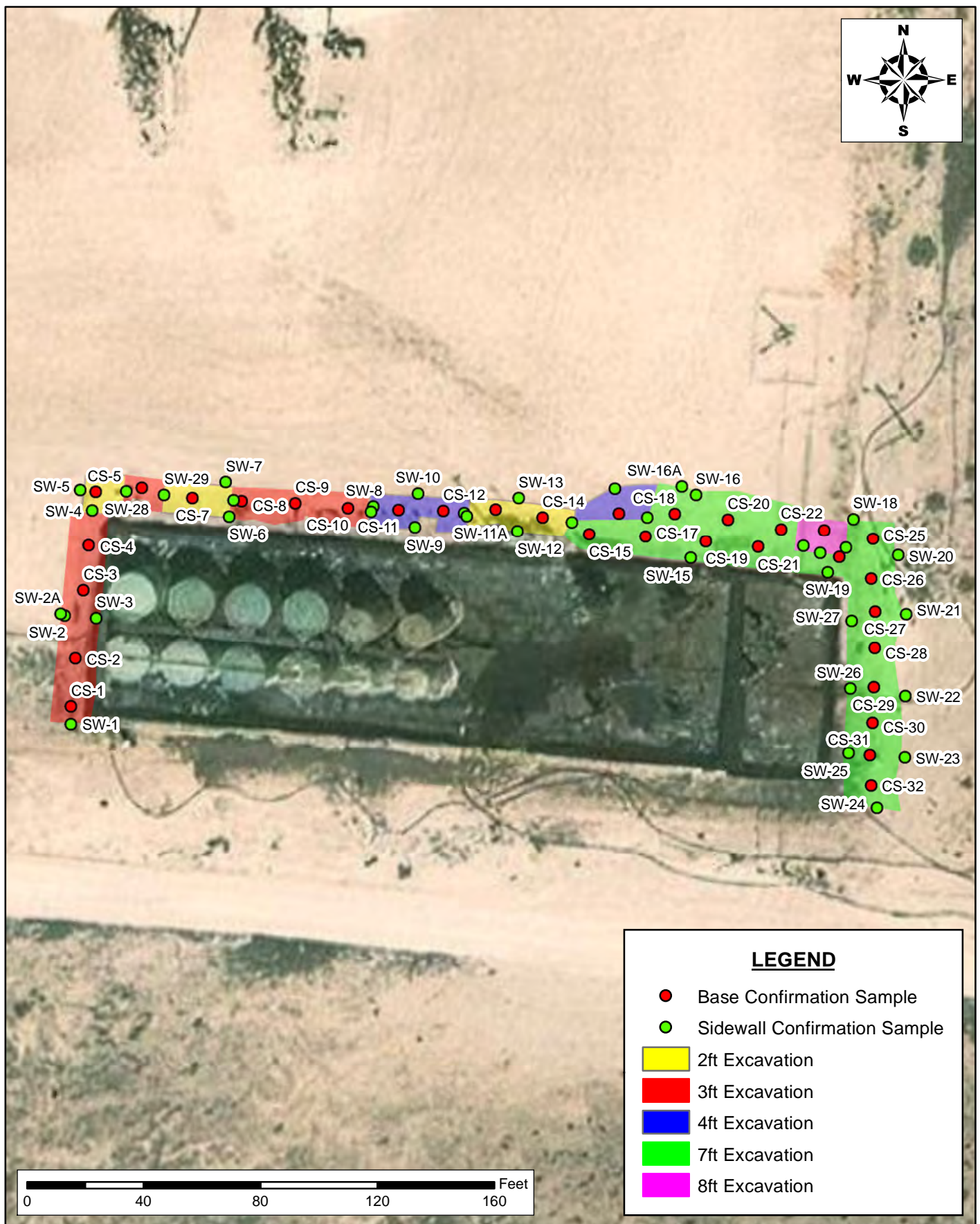
FIGURE 3

SHEET NUMBER:

1 of 1

SCALE: AS SHOWN DATE: 01/12/2026 PROJECT #: 2510644

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**CONFIRMATION SAMPLE MAP
DEFERRAL REQUEST WORKPLAN**
FOREHAND RANCH 22 STATE #008H
3R OPERATING, LLC
EDDY COUNTY, NEW MEXICO



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 2017
2. Map Projection: NAD 1983

DRAWING NUMBER:

FIGURE 4

SHEET NUMBER:

1 of 1

Proposed Excavation Map

3R Operating, LLC
Forehand Ranch 22 State #008H
Eddy County, New Mexico
32.289105, -104.179732

Area of Red: 2,224 sqft x 10 ft ~ 824 CY
Area of Yellow: 2,951 sqft x 6 ft ~ 656 CY
Area of Green: 3,509 sqft x 1 ft ~ 130 CY
Area of Blue: 5,093 sqft x 5 ft ~ 943 CY
Area of Pink: 5,468 sqft x 3 ft ~ 608 CY

Total Cubic Yardage ~ 3,160 CY
Total Cubic Yardage w/ 20% fluff ~ 3,792 CY

sqft - Square Feet
CY - Cubic Yards

Legend

-  1 ft Excavation
-  10 ft Excavation
-  3 ft Excavation
-  5 ft Excavation
-  6 ft Excavation



100 ft

Site Characterization Information

OSE POD Location Map



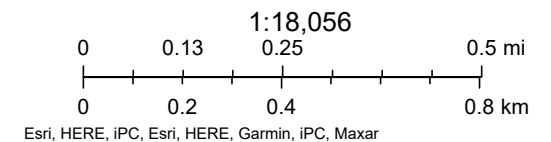
1/15/2025, 10:04:47 AM

Override 1
GIS WATERS PODs
Active
Pending
OSE District Boundary

New Mexico State Trust Lands NHD Flowlines

Both Estates

Connector
Stream River



Legend

Basemap

Query

1:2,257

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 Rİver (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



Legend

Basemap

Query

1:18,056

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

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Terrene (TE)

Landscape Position and Water Body (LLWW) Polygons

Lentic (LE)

Lake (LK)

Lotic River (LR)

Lotic Stream (LS)

Pond (PD)

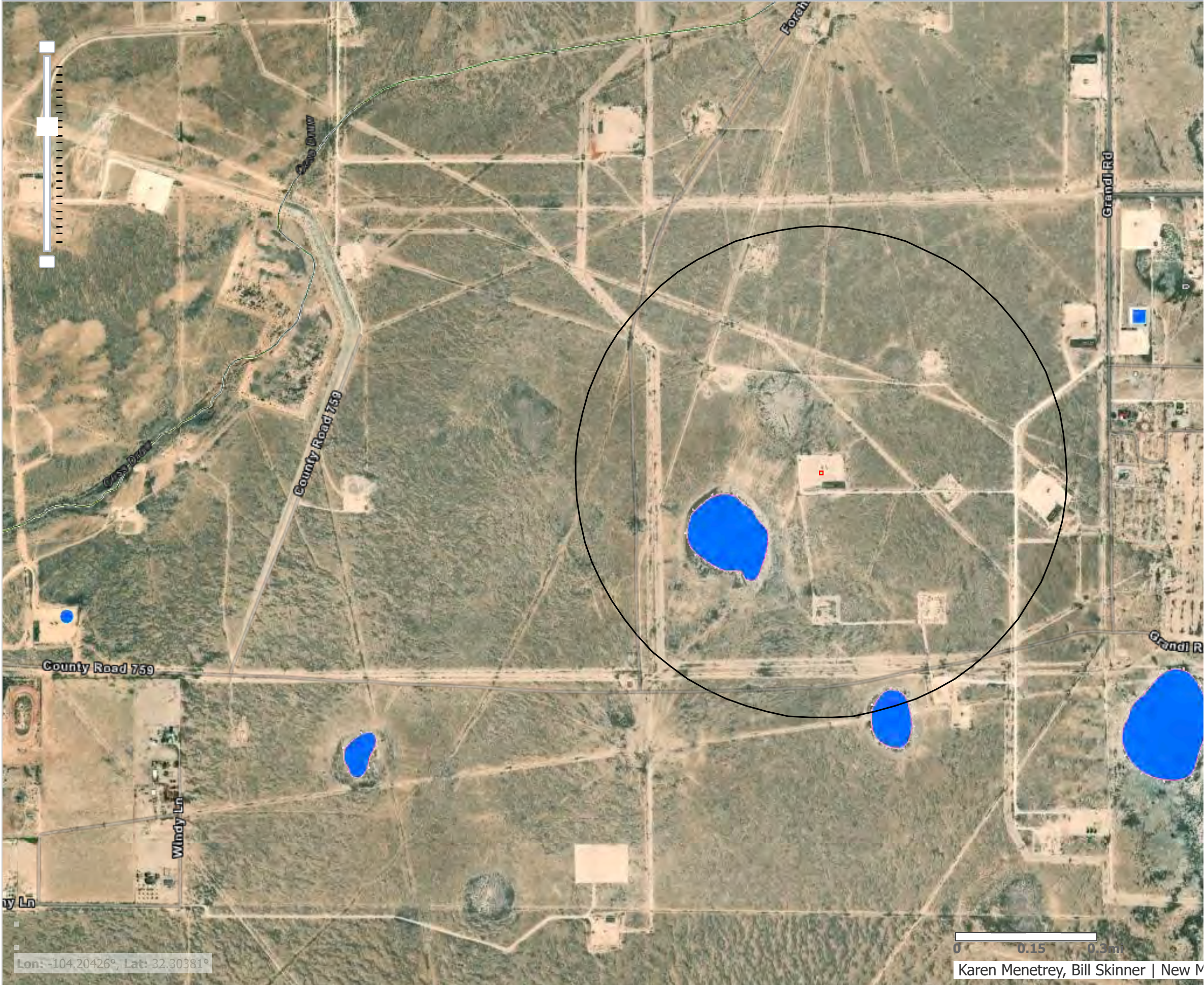
River (RV)

Stream (ST)

Terrene (TE)

Landform (LLWW)

Basin



OCD Well Locations



7/31/2024, 9:46:54 AM

Wells - Large Scale

Karst Occurrence Potential

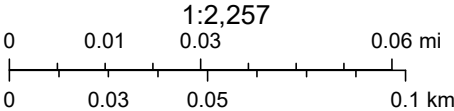
PLSS First Division

Gas, Active

High

Gas, Cancelled

PLSS Second Division



BLM, OCD, New Mexico Tech, Oil Conservation Division of the New Mexico Energy, Minerals and Natural Resources Department., Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS

National Flood Hazard Layer FIRMette



104°11'6"W 32°17'38"N



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

1:6,000

104°10'28"W 32°17'7"N

Released to Imaging: 1/30/2026 1:45:28 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



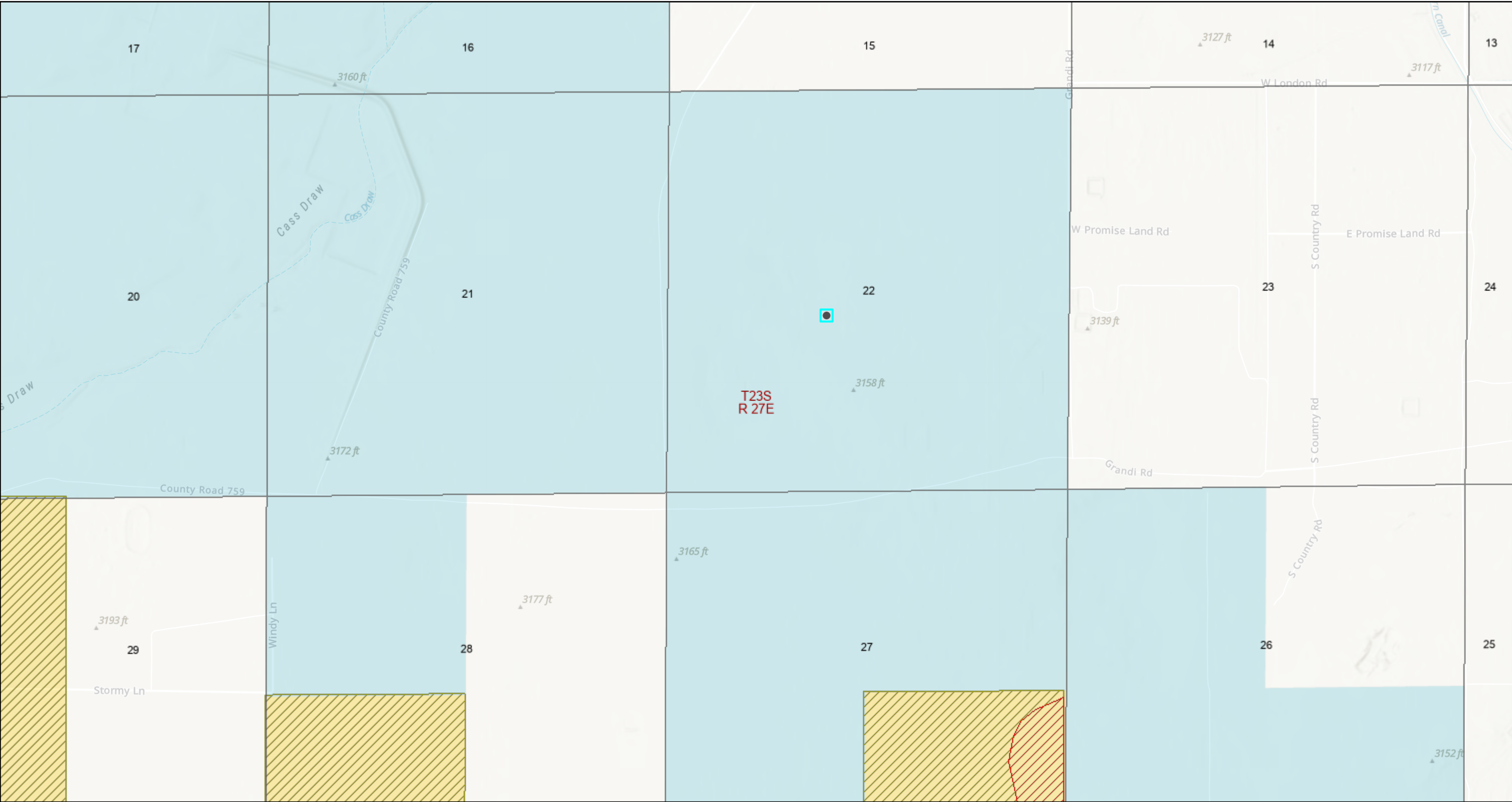
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

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 7/31/2024 at 11:54 AM 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.

CPP Map



4/18/2025, 1:28:12 PM

1:18,056

Sections

Townships

Administrative Unit Boundary

Potential Habitat (Planning Area Only)

Scheer's beehive cactus

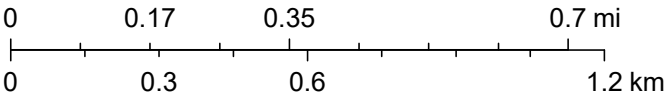
Wright's waterwillow

Surface Management Agency

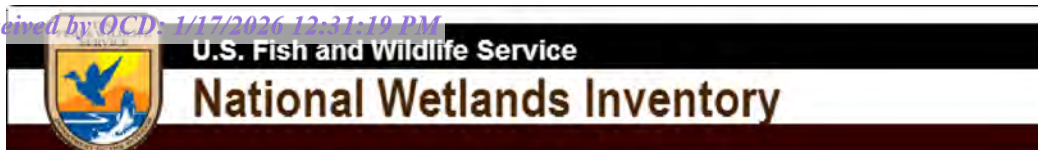
Bureau of Land Management

Private

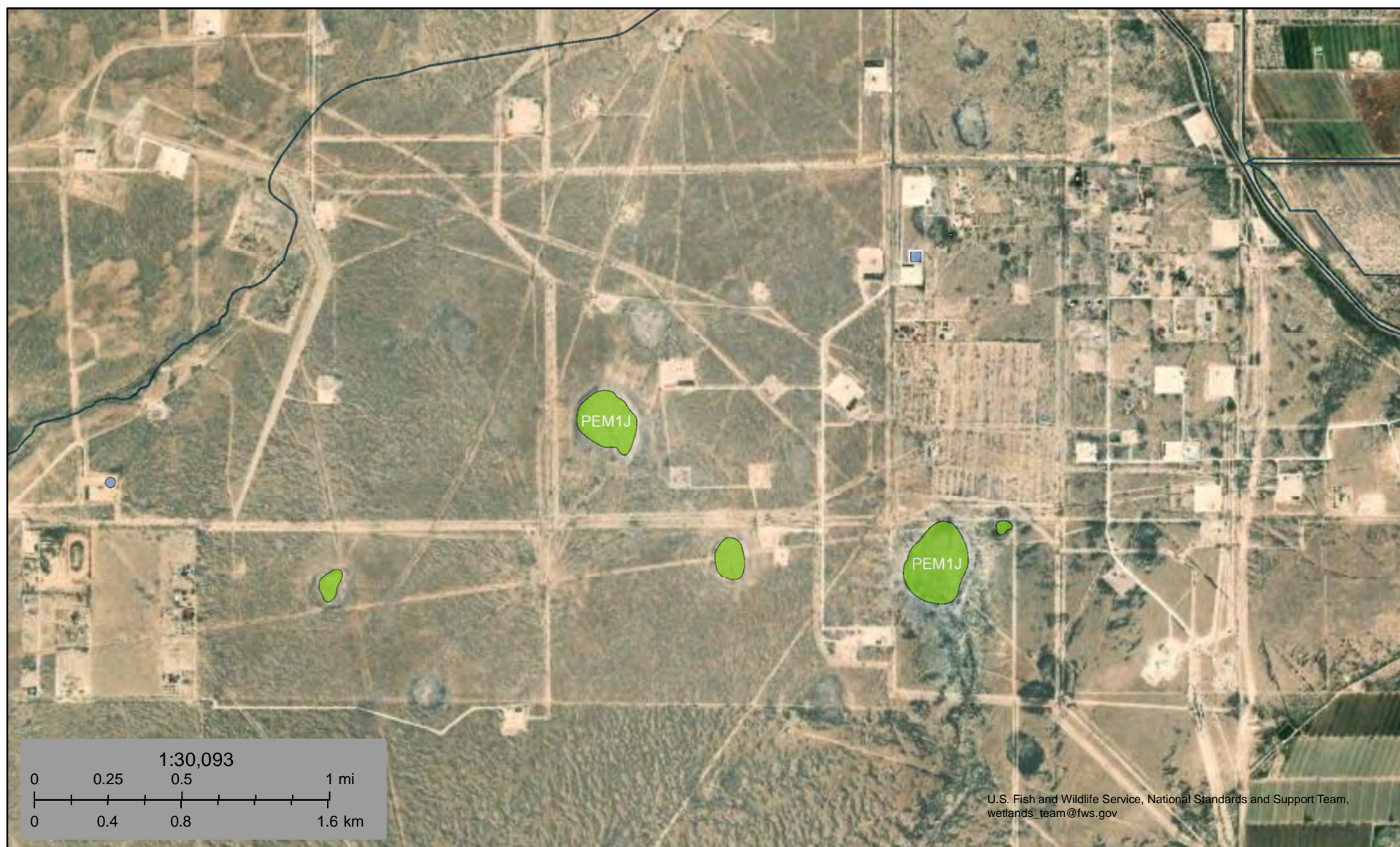
State



U.S. Bureau of Land Management - New Mexico State Office, Esri, NASA, NGA, USGS, FEMA, Sources: Esri, TomTom, Garmin, FAO, NOAA, USGS, (c) OpenStreetMap contributors, and the GIS User Community, Bureau of Land Management - New Mexico



Wetlands Map



September 4, 2024

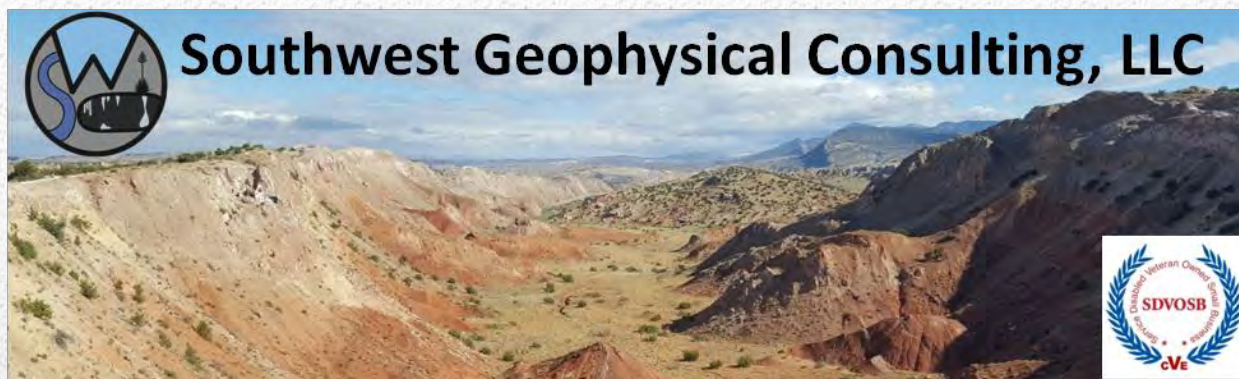
Wetlands

- 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.



Environmental Karst Study Report Forehand Ranch 22 State No. 008H Eddy County, New Mexico

**Prepared For:
NTG Environmental
209 West McKay Street
Carlsbad, NM 88220**

- ☒ **Positive within 200 feet of spill delineation boundary**
- ☐ **Negative within 200 feet of spill delineation boundary**
- ☐ **Stable** ☒ **Unstable Ground**
- ☒ **Karst Monitor Recommended**

August 18, 2025

NTGE-009-20250625

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MMXXV

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1.0 INTRODUCTION

This report was commissioned by NTG Environmental (hereinafter referred to as "the client"), on June 25, 2025, for the purpose of conducting an environmental karst study within an area encompassing the Forehand Ranch 22 State No. 008H site (hereinafter termed "FR22") centered at N 32.289003° W 104.179556°.

1.1 Goals of this Study

The goals of this study are to conduct a surface karst inventory and provide the client with the location and description of any surface karst features located within 200 feet (61 meters) of the spill delineation boundary (as defined by 19.15.29.12 NMAC^[1]), and to determine whether stable ground exists (as defined by 19.15.2 NMAC Definitions^[2]) within the spill boundary of the Forehand Ranch 22 State No. 008H project as provided by the client via e-mail (**Forehand Ranch 22 State #008H - Area of Concern.kmz**) on June 25, 2025, using electrical resistivity imaging^[3].

1.2 Summary of Findings

- **Two recognized surface karst features exist within the 200-foot (61-meter) perimeter of the spill delineation boundary.**
- Six recognized surface karst features lie within the 200-meter survey boundary.
- Additionally, one recognized surface karst feature lies within the 305-meter survey boundary, but outside the 200-meter survey boundary.
- **No anomalies consistent with subsurface air-filled voids were found within the FR22 resistivity survey area; however surface karst development indicates unstable ground.**
- **Moderately flat-lying stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted.**

The presence of nearby surface features indicates that this area is karstified and may contain buried karst features. Caution should be exercised while clearing brush and during any excavation operations. **Employing a Bureau of Land Management approved karst monitor on site while operating near karst features is recommended.** Please see the section entitled **2.4 Description of Karst Features** and **Table 3** for a full list of the features located.

1.3 Affected Environment

The FR22 project site is located in evaporite karst terrain, a landform that is characterized by underground drainage through solutionally enlarged conduits. Evaporite karst terrain may contain sinkholes, sinking streams, caves, and springs. Sinkholes leading to underground drainages and voids are common. These karst features, as well as occasional fissures and discontinuities in the bedrock, provide the primary sources for rapid recharge of the groundwater aquifers of the region. Additionally, karst may develop by hypogene processes involving dissolution by upwelling fluids from depth independent of recharge from the overlying or immediately adjacent surface. Hypogene karst systems may not be connected to the surface and can remain undiscovered unless encountered during drilling or excavation.

Karst features are delicate resources that are often of geological, hydrological, biological, and archeological importance, and should be protected. The four primary concerns in these types of terrain are environmental issues, worker safety, equipment damage, and infrastructure integrity.

The Bureau of Land Management (BLM) categorizes all areas within the Carlsbad Field Office (CFO) zone of responsibility as having either low, medium, high, or critical cave potential based on geology, occurrence of known caves, density of karst features, and potential impacts to freshwater aquifers^[4]. These designations are also recognized by the New Mexico State Land Office (NMSLO). This project occurs within a **HIGH** karst occurrence zone (HKOZ)^[5] (**Figure 1**).

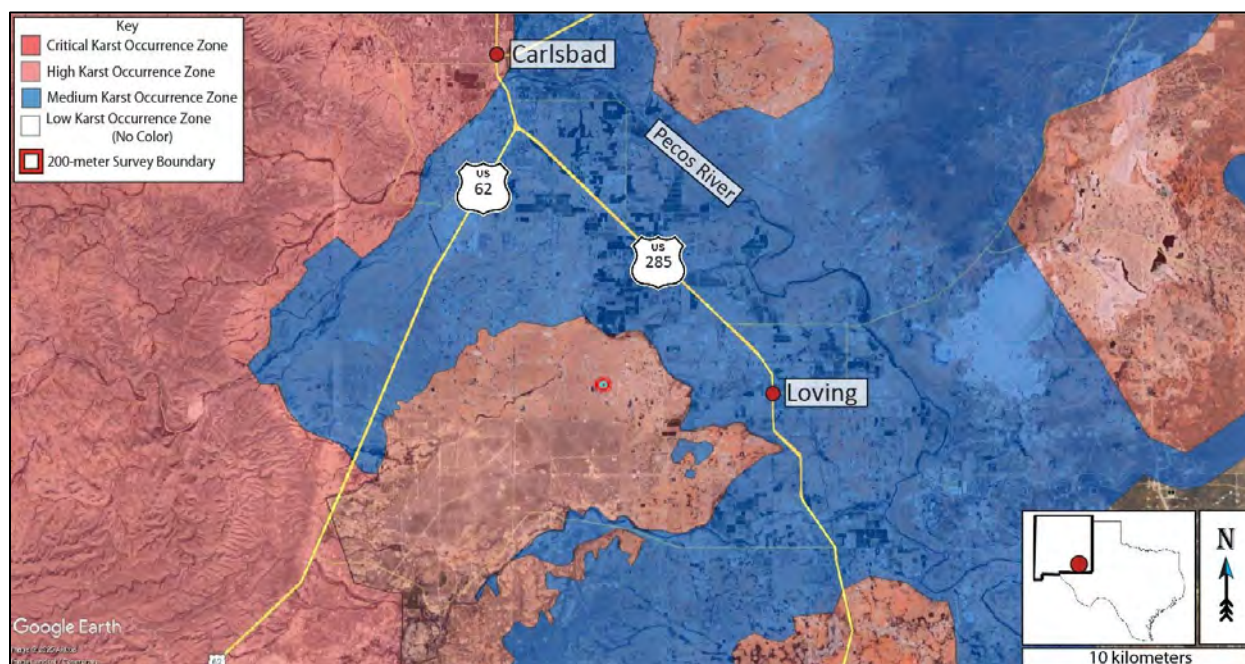


Figure 1: Karst occurrence zone overview. Background image credit: Google Earth. Image date: August 21, 2024. Image datum: WGS-84.

A high karst occurrence zone is defined as an area in known soluble rock types that contains a high frequency of significant caves and karst features such as sinkholes, bedrock fractures that provide rapid recharge of karst aquifers, and springs that provide riparian habitat^[4].

Due to the rapidity with which evaporite karst develops, each location within a BLM-CFO designated karst occurrence zone must be assessed on an individual basis to determine the existence of surface karst features and the possibility of sub-surface karst development each time a release occurs.

1.4 Limitations of Report

This report should be read in full. No responsibility is accepted for the use of any part of this report in any other context or for any other purpose or by third parties. This report does not purport to give legal advice. Legal advice can only be given by qualified legal practitioners.

This report has been prepared for the use of NTG Environmental, in accordance with generally accepted consulting practices. Every effort has been made to ensure the information in this report is accurate as of the time of its writing. This report has not been prepared for use by parties other than the client, their contracting party, and their respective consulting advisors. It may not contain sufficient information for the purposes of other parties or for other uses.

This report was prepared upon completion of the associated fieldwork using a standard template prepared by Southwest Geophysical Consulting and is based on information collected prior to fieldwork, conditions encountered on site, and data collected during the fieldwork and reviewed at the time of preparation. Southwest Geophysical Consulting disclaims responsibility for any changes that might have occurred at the site after this time. The interpreted results, locations, and depths noted in this report (if applicable) should be taken as an interpretation only and no decision should be based solely on this information. Physical verification of aerial imagery analysis results in the field should be conducted prior to using this information for remediation planning. Physical verification of geophysical results using geotechnical methods should be conducted.

To the best of our knowledge, the information contained in this report is accurate at the date of issue. Due to the nature of karst terrain, the information in this report shall not be used beyond two years past the date of the field work provided in section **2.3 Description of Survey**. Large weather events can shorten this time period as areas subject to karst development can rapidly form new features subsequent to these events.

2.0 LOCATION AND DESCRIPTION OF STUDY AREA

2.1 Description of Site

The site is located 7.4 kilometers (4.6 miles) west of Loving, New Mexico, south of West London Road and west of Grand Rural Road. The release site is located within section 22, NM T23S R27E^[6] (**Figure 1** and **Figure 2**). The region has flat-lying terrain with karstification occurring in the gypsite soils and underlying gypsum and dolomite bedrock^[7] (see section **2.2 Local Geology Summary** for further information). There are nine recognized *surface* karst features within 0.5 kilometers (0.3 miles) of the project site. The climate in this area of southeast New Mexico is semi-arid with an average annual precipitation of approximately 13 inches, of which about two-thirds falls as rain during summer thunderstorms from June to October. Summers are hot and sunny while winters are generally mild, with an average maximum temperature of 96°F in July and an average minimum temperature of 28°F in January^[8]. This area is within the Chihuahuan Desert Thornscrub as defined by the Southwestern Regional ReGAP Vegetation map^[9] and the vegetation consists mostly of areas of blue grama, nine-awned pappus grass, burro grass and low scrub including yucca. The spill delineation boundary is located within an HKOZ^[5] (**Figure 1**) and within NMSLO managed land^[10] (**Figure 2**).

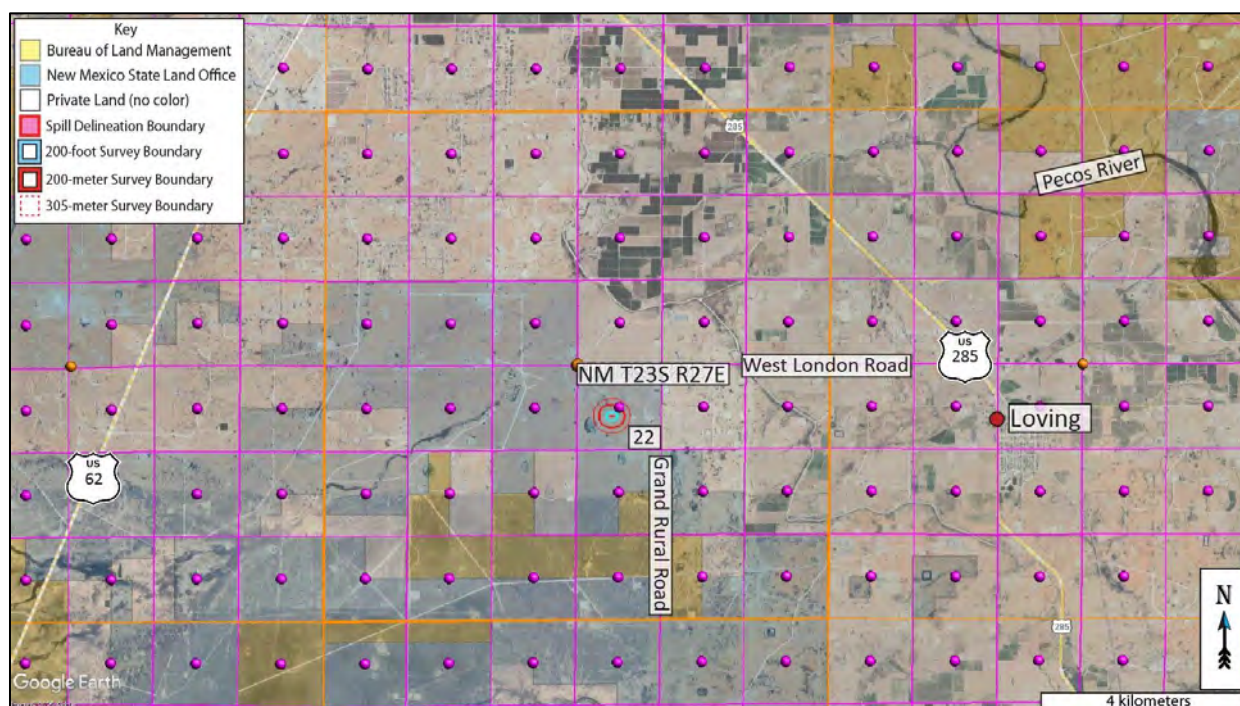


Figure 2: Land ownership and PLSS overview. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

2.2 Local Geology Summary

The site for the FR22 survey is located at an elevation of 962 meters (3,155 feet), \pm 3 meters (9.8 feet), and is located within a region underlain by the Permian Rustler Formation (Pru). The area is mantled by thin gypsiferous soils (gypsite) and piedmont gravels (Qp)^[11] up to 5 meters in depth (**Figure 3**).

The Rustler Formation is an evaporite facies composed mainly of thin siltstones and sandstones interbedded with claystones, dolomite, and gypsum, and contains both karst-forming strata (the Forty-niner and Tamarisk members) and two shallow aquifers (the Magenta and Culebra Dolomite members)^[12].

The Pru overlies the Permian Salado Formation (Psl) (not shown on map), a layer of extremely soluble halite which can readily dissolve to create caves, sinkholes, and other karst features; however, due to its extremely soluble nature, only non-soluble silt and sand remain from the dissolution of this layer at the surface^[12]. The Rustler Formation may be subject to collapse if a void has developed beneath it in the Salado Formation^[13].

The survey area is covered by the easily accessible Geologic Map of New Mexico (2003) at 1:500,000 scale^[14] and the Digital Geologic Map of New Mexico in ARC/INFO Format^[11].

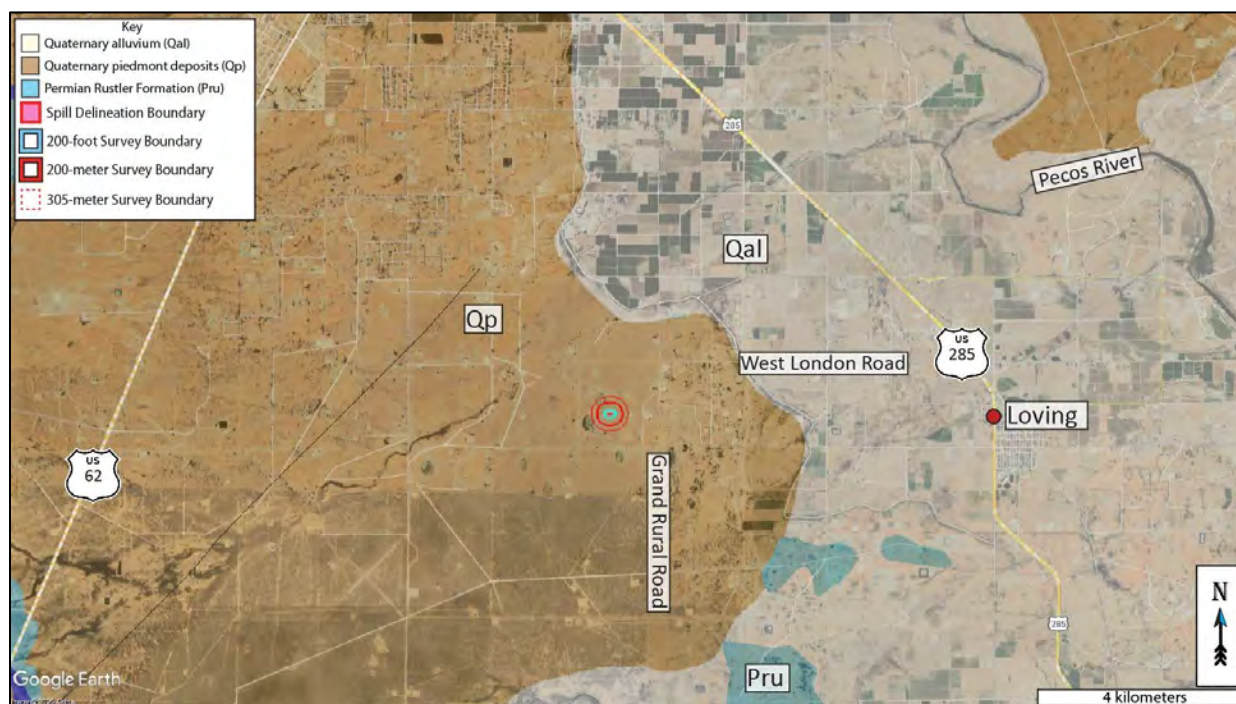


Figure 3: Geology overview. Geology map credit: The Digital Geologic Map of New Mexico in ARC/INFO Format. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

2.3 Description of Survey

2.3.1 Surface Karst Survey

Southwest Geophysical Consulting, in partnership with SWCA Environmental Consultants, provides surface karst surveys using small, uncrewed aerial systems (sUAS) that are flown by qualified, FAA licensed drone pilots and that meet the stringent Bureau of Land Management – Carlsbad Field Office requirements for both pedestrian and aerial karst surveys.

The surface karst survey includes a desk study prior to the flight which allows us to provide client feedback in the event of any previously known karst features in the area. The desk study is performed out to 305 meters (1,000 feet) from the spill delineation boundary per New Mexico Oil Conservation Division guidance^[1] (**Figure 4**). The study was performed using satellite and aerial imagery from Google Earth Pro dated March 20, 2023 (please note features less than one meter in diameter are generally not visible using this method); the Southwest Geophysical Cave and Karst Database dated December 23, 2024^[15]; the Otis, NM, 1:24,000 quad, 1985, USGS topographic map; and the latest lidar imagery from CalTopo.com. Please note that we use older topographic maps because newer maps have had caves removed from them. These searches and queries returned two surface karst features within the 305-meter survey boundary (RKF 250730-R15 and RKF 250801-R01, both suffosion sinkhole clusters) (**Table 3**).

Surface karst surveys are conducted by sUAS at low elevation within 200 meters of the spill delineation boundary^[3] (**Figure 4**) following a preplanned raster pattern flightpath designed for the purpose of generating at least 75% imagery overlap. The collected high-resolution, georeferenced imagery is stitched together to develop orthomosaic imagery which is further developed into a digital elevation model (DEM); the DEM is then processed into a local relief model (LRM) (**Figure 6**). This LRM is color coded to enhance differences in elevation of as little as five centimeters. The orthoimagery, DEM, and LRM are uploaded to a server where they are analyzed by an experienced karst geologist. Finally, the data is reviewed by a senior karst geologist for quality assurance and downloaded into a table for inclusion in a written report^[16].

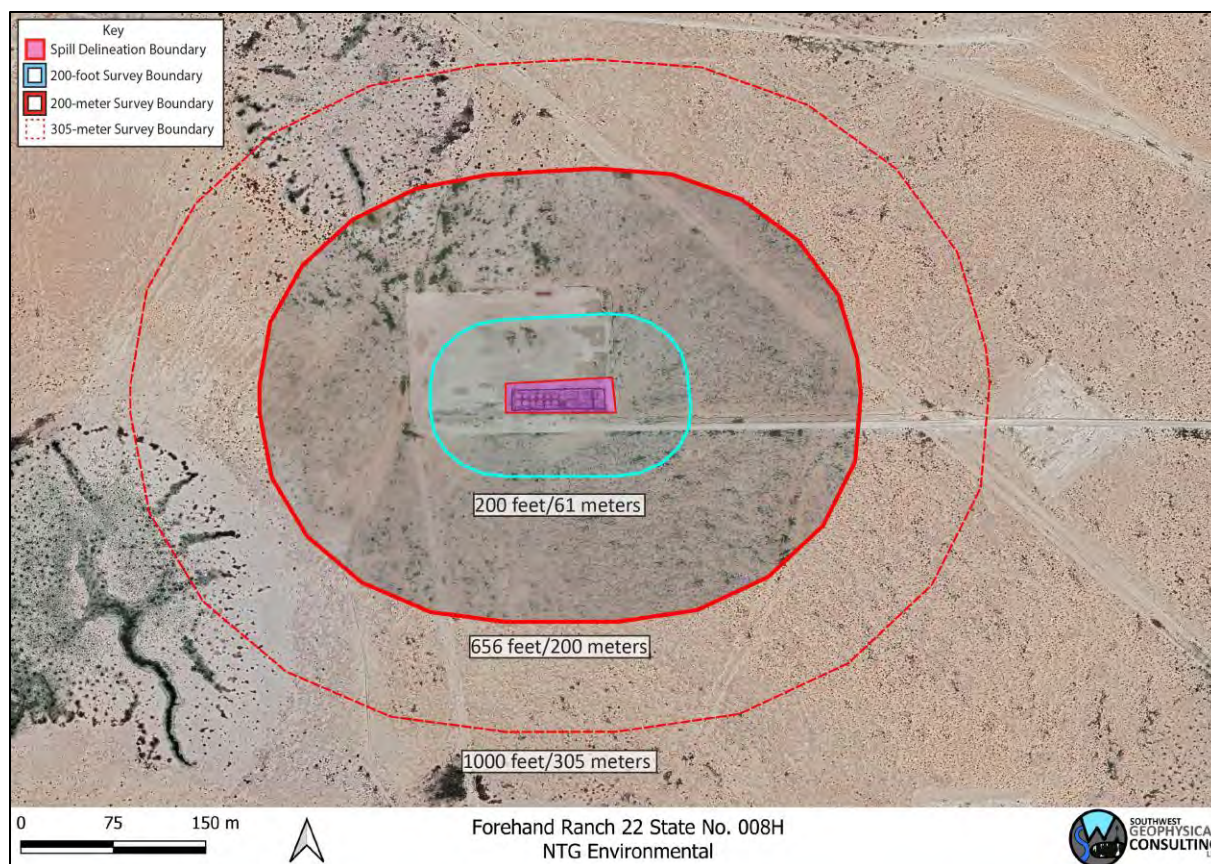


Figure 4: Surface survey overview. Background image credit: Google Earth. Image date: January 27, 2023. Datum: WGS-84.

The resolution of the orthoimagery is clear enough that features as small as 10 centimeters can be positively identified in most circumstances. Occasionally there are ambiguous features identified during an aerial survey that will need to be checked in the field if they are impacted by the proposed remediation efforts. Specifically, it is difficult to tell the difference between solution tubes, abandoned uncased well bores, and some burrows in drone imagery. If an ambiguous feature is located during imagery analysis, it is marked with a yellow dot in **Figure 6**. If a feature of any likelihood is subsequently verified in the field prior to publication of the report, the dot will be changed to a red triangle if confirmed as a karst feature or deleted if not.

The imagery for this study was collected via aerial survey by Pat Lagodney of SWCA on June 26, 2025. Surface karst features may have developed after this date and will not be noted in this report. Imagery analysis was completed by Kat Knight of Southwest Geophysical Consulting between July 30, 2025 and August 1, 2025.

2.3.2 Geophysical Survey

For this survey, an ABEM Terrameter LS 2 and a 56-electrode array of 40-centimeter-long electrodes were used to image the subsurface. This survey consisted of three resistivity lines in a dipole-dipole configuration: line FR2201 was laid out south to north and lines FR2202 and FR2203 were laid out west to east. All three lines consisted of 56 electrodes at 5-meter spacing resulting in 275-meter-long arrays (**Figure 5, Table 1**). A preconfigured protocol file was used to run the data collection (DipoleDipole4x14). The 56-electrode configuration provided a depth of investigation of 55 meters (180 feet) with a resolution of 2.0 to 2.5 meters (6.6 to 8.2 feet). A Leica GS18 GPS was used to record electrode locations and elevations.

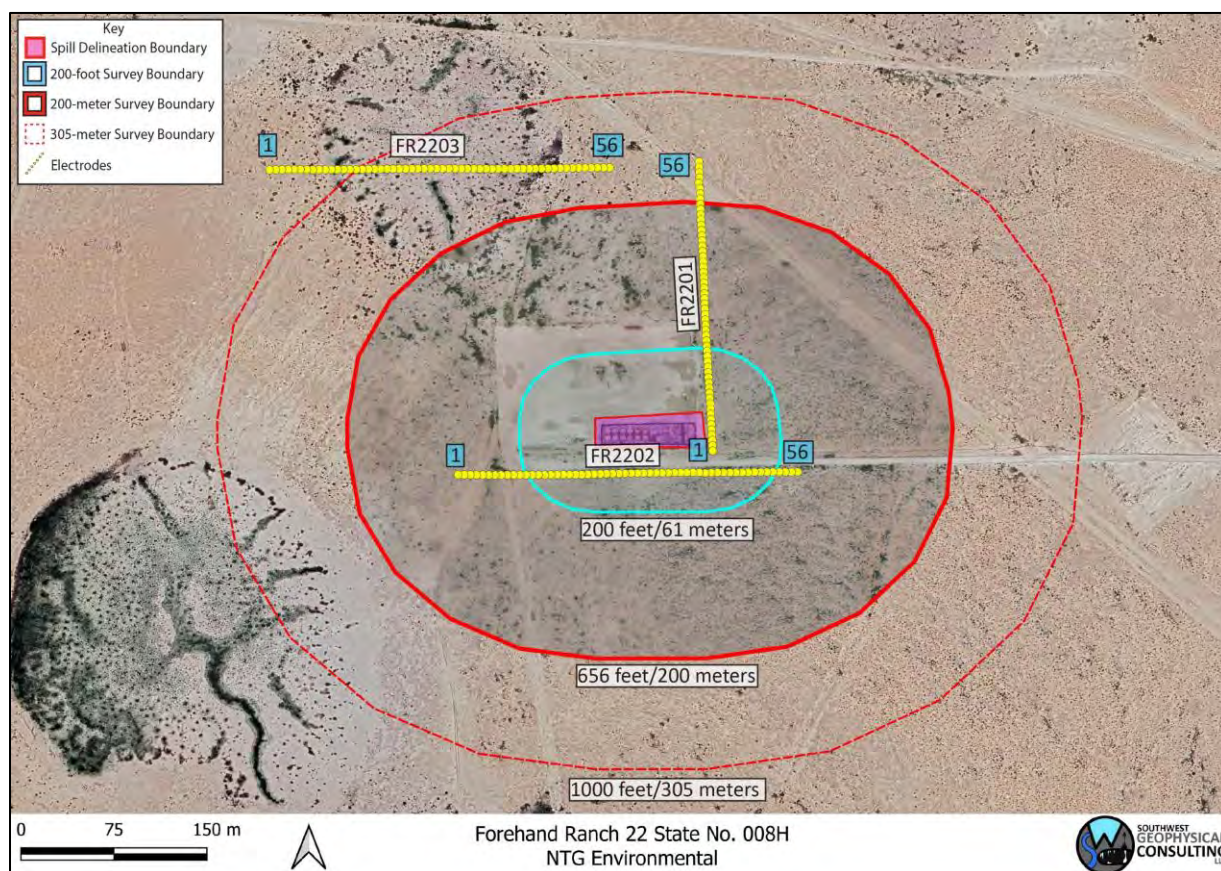


Figure 5: Geophysical survey overview. FR2201, FR2202, and FR2203 were conducted with 56 electrodes at 5-meter spacing (yellow dots denoted with blue numbers). Background image credit: Google Earth. Image date: January 27, 2023. Image datum: WGS-84.

Table 1 provides basic line data. Detailed information for each line including electrode number, location in latitude/longitude (decimal degree format), and elevation in meters can be found in the accompanying data files.

Table 1: Survey Line Data Table. The FR22_ERI_Points.kmz file contains all the points for the survey line listed in the file name. These data are available in the accompanying files FR22_ERI_Points.xlsx and NTGE-009-20250625_FR22_Data_Files.kmz.

File Name:	Completed By:	Date:
FR2201.kmz	Steven Kesler – Field Geologist Kat Knight – Field Geologist	7/15/2025
FR2202.kmz		
FR2203.kmz		

EarthImager™ 2D software was used to download and process the data and to provide the model used to make our interpretations. The design of the survey and the orientation of each of the lines provides the information necessary to make the determination of “stable” or “unstable” ground at this site.

A typical starting model was used for the data processing due to the two-layer model of the geology in the area; specifically, generally high-resistivity gypsum and dolomite at the surface and low-resistivity saturated gypsum and dolomite bedrock at depth. The starting model used was “average apparent resistivity” and a default inversion setting of “surface,” with a minimum apparent resistivity set to 0.1 Ohm-meters (Ohm-m or Ω -m) and a max apparent resistivity set to 100,000 Ω -m (**Table 2**).

Table 2: Software Information and Settings

Software Name:	EarthImager™ 2D
Version:	2.4.4.649
Starting Model:	Average Apparent Resistivity
Default Inversion Settings:	Surface
Changes to Default Inversion Settings:	Max Apparent Resistivity = 100 k Ω -m Min Apparent Resistivity = 0.1 Ω -m

Note: Raw data files (.stg files for EarthImager™ 2D) and processed data (.trn files, terrain files for surface correction in EarthImager™ 2D and .out files, the processed .stg files) are available upon request.

All field work, including setup, stow, and travel, was completed by Steven Kesler, Kat Knight on July 15, 2025.

3.0 RESULTS

3.1 Surface Karst Survey

The desk study and surface karst survey located two surface karst features within the 200-foot (61-meter)^[1] survey boundary.

Six recognized surface karst features are located within the 200-meter survey boundary but outside of the 200-foot (61-meter) survey boundary (**Figure 6, Table 3**). Additionally, one recognized surface karst feature was found within the 305-meter survey boundary, but outside the 200-meter survey boundary. Recognized surface karst features are features that are positively identified in either satellite or aerial imagery as karst features and the features have been visited by a qualified karst professional in the field and fully identified. Images for the features are available on request.

No springs exist within the 1,000-foot (305-meter)^[1] survey boundary.

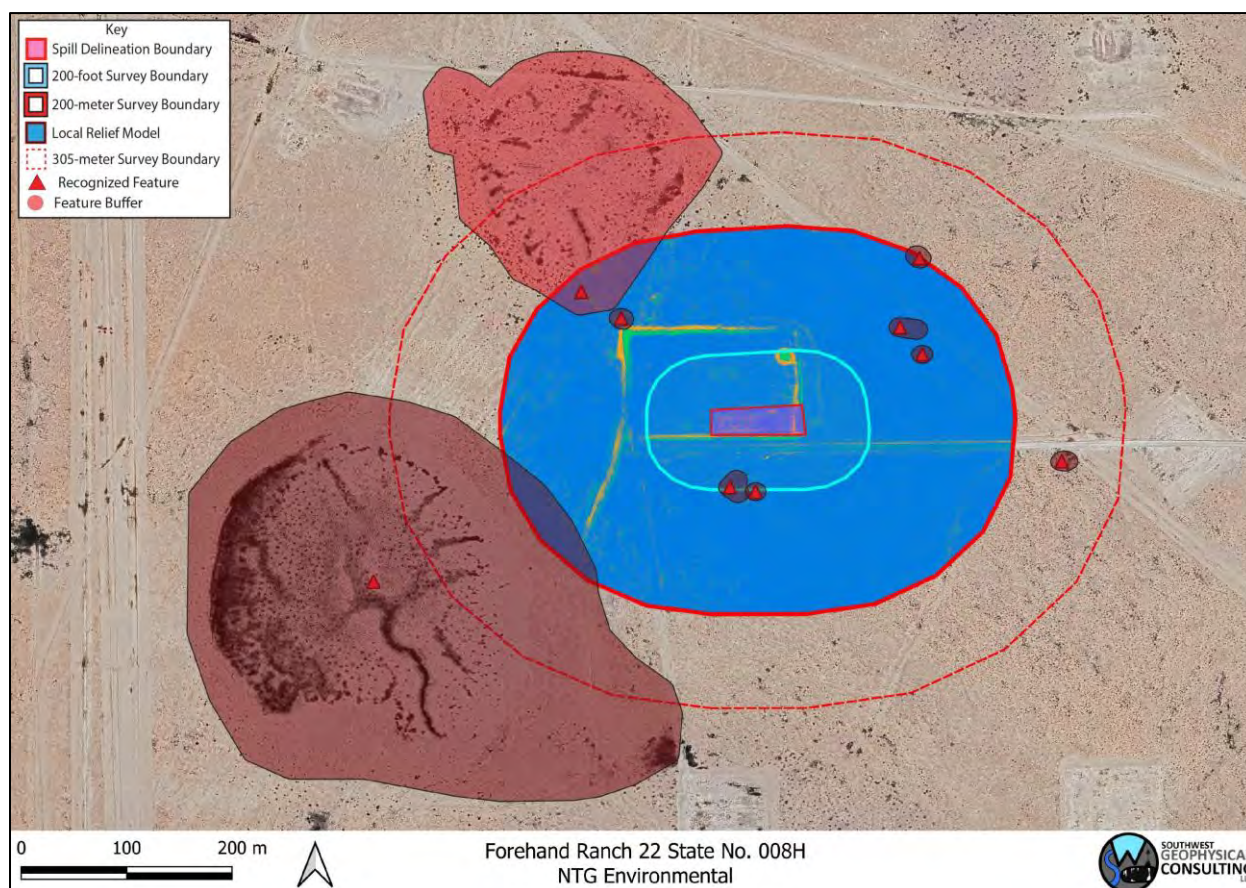


Figure 6: Aerial karst survey results. Background image credit: Google Earth. Image date: March 20, 2023. Image datum: WGS-84.

Caution should be exercised while operating in or around all karst-related features due to the possibility of near-surface voids. Employing a BLM-CFO approved karst monitor on site during these activities is recommended.

Table 3 contains a list of features identified during the aerial karst survey and subsequent imagery analysis. Each feature is identified with a feature identification number (Feature ID), the type of feature, estimated size (in meters), recommended buffer (in meters), the likelihood of this feature being a surface karst feature (modifiers H/M for high or medium likelihood, V for field verified), and its location in WGS-84/UTM-13 (EPSG: 32613).

Table 3: Surface Karst Feature Data Table

KF Status	Feature ID	Type	Size (m)	Buffer (m)	Mod	Easting	Northing
RKF	250730-R15	Suffosion sinkhole cluster	19.1	10	V	577088.601	3572912.289
RKF	250730-R18	Suffosion sinkhole cluster	14.9	10	V	577231.235	3572694.854
RKF	250730-R19	Suffosion sinkhole	0.7	10	V	577255.529	3572690.041
RKF	250730-R21	Suffosion sinkhole cluster	0.2	10	V	577412.432	3572844.520
RKF	250730-R22	Suffosion sinkhole cluster	16.5	10	V	577391.213	3572874.788
RKF	250730-R23	Suffosion sinkhole cluster	5.6	10	V	577408.998	3572951.831
RKF	250730-R24	Suffosion sinkhole cluster	3.1	10	V	577126.682	3572882.587
RKF	250730-R25	Suffosion sinkhole cluster	5.6	10	V	577545.767	3572726.295
RKF	250801-R01	Suffosion sinkhole cluster	526	10	V	576893.974	3572586.876

NOTE: Location data provided in WGS-84/UTM 13N. RKF – recognized karst feature.

3.2 Geophysical Survey

Electrical resistivity tomography forms images of the subsurface by causing a current to flow through the rock and soil and then measuring the resistance of these materials as the current flows through them. This measurement is taken many times and the resulting data, once processed, is used to produce a model of the subsurface (**Figure 7**). This model is produced using "non-unique" solutions, which means that there are many models and interpretations which will satisfy the data. Using experience and knowledge of the local geology, a high-confidence model can be established and used to develop an accurate understanding of what lies below the surface. This survey was conducted with the express purpose of locating subsurface voids and does not purport to find paleokarst (old, non-active karst features that have been filled in with sand and sediment) or nascent karst features below the resolution limit of the survey.

The results of this study indicate a generally flat-lying geologic system with resistivities between 5.5 and 171 Ohm-m (**Figure 7**). Vertical columns of low resistivity exist with the survey area. These resistivity values are relatively low compared to the surrounding areas. Please see section **4.0 DISCUSSION** for the interpretation of these results.

Please keep in mind when viewing the 2D inverted resistivity sections that color maps can be widely different for each view. Always check the color map located on the right side of the image when viewing the 2D images to ensure you understand the range of resistivities presented. Distances along the top and depths along the left side are in meters. The color map along the right side is in Ohm-m. Due to the nature of the survey, shallower zones have higher resolution between electrodes than deeper zones; therefore, small features at depth will not be visible.

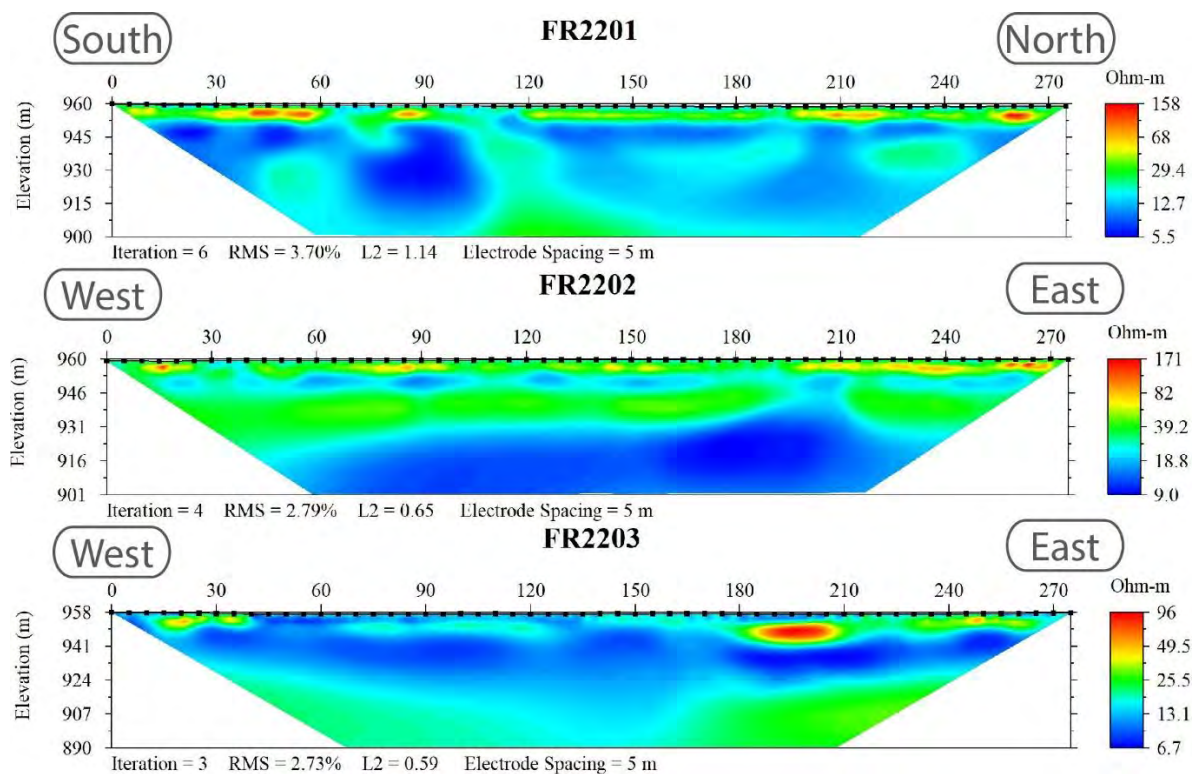


Figure 7: 2D inverted resistivity sections. Reds and oranges indicate higher resistivity values. Yellows and greens are medium-resistivity values. Blues are low-resistivity values. Please note that the color scale is relative.

4.0 DISCUSSION

No anomalies consistent with air-filled subsurface voids are found within the FR22 survey area.

No other anomalies interpreted as large near-surface voids are located within the study area. However, due to the resolution limit of the survey, other small voids at or near the resolution limit (2.5 – 3.0 meters) cannot be ruled out and are quite common in this area. Higher-than-average resistivity areas located less than 10 meters beneath the surface are interpreted as dry caliche or gypsite soils; due to their low resistivity values when compared with significant subsurface voids, these features should not be a concern for construction of any well pad infrastructure. Areas of moderate resistivity (yellows and greens) near the surface are interpreted as dry caliche soils and gypsum or dolomite bedrock of the Rustler Formation (**Figure 7** and **Figure 8**).

Resistivity of the survey area drops below 50 Ω -m at approximately 12 - 15 meters (39.4 – 49.2 feet) depth and generally increases to greater than 500 Ω -m below these depths throughout the survey area, indicating a change from saturated caliche/gypsite soils or gypsums to the bedrock of the Rustler Formation. Vertical columns of low-resistivity values are interpreted as recharge areas where surface water makes its way into the underlying aquifer.

Please remember that these are interpretations made from knowledge of the local subsurface materials and experience. **They remain interpretations until verified by geotechnical methods.**

Within karst terrains like the project site, small air- or sediment-filled voids and/or brecciated zones and solutionally enlarged fractures that are below the resolution limit of the survey may exist; these may be encountered during excavation and if so, should be evaluated by a karst specialist prior to continuation of the excavation. **Even though no subsurface anomalies consistent with air-filled subsurface voids were detected, due to the number of recognized surface karst features within the FR22 project site, employing a BLM-CFO approved karst monitor on site during excavation in this area is recommended (Figure 7 and Figure 8).**

Fracture sets within the subsurface can act as hydrologic pathways to the water table. Rapid dissolution of gypsum can occur along these pathways creating solution-enlarged fractures, and in some cases, voids within months to years. For this reason, this survey is valid only for this remediation event.

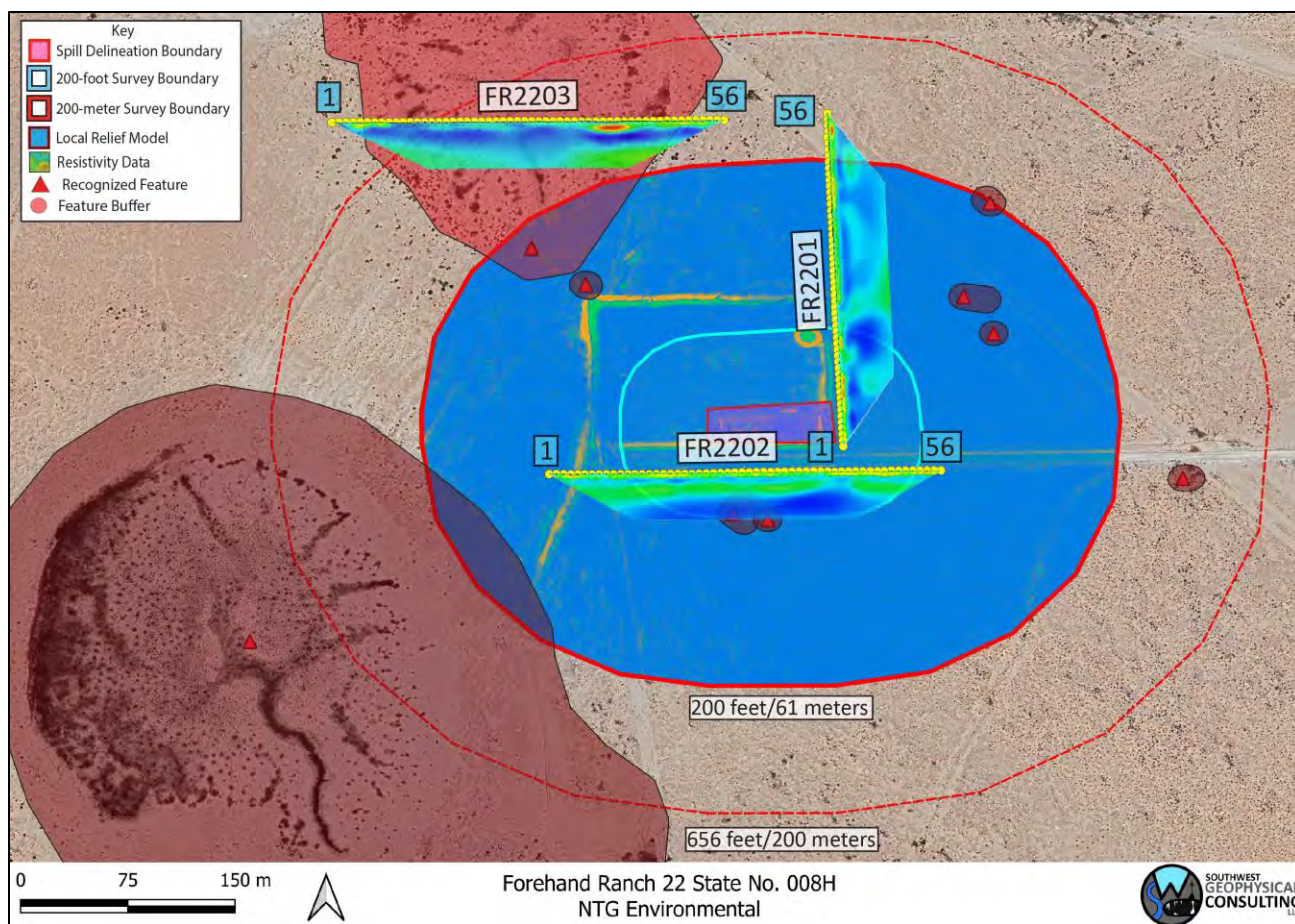


Figure 8: Data overlay. Colored trapezoids are 2D inverted resistivity lines. Background image credit: Google Earth. Image date: January 27, 2023.

5.0 SUMMARY

- **Two recognized surface karst features exist within the 200-foot (61-meter) perimeter of the spill delineation boundary.**
- Six recognized surface karst features lie within the 200-meter survey boundary.
- One recognized surface karst feature lies within the 305-meter survey boundary, but outside the 200-meter survey boundary.
- **No anomalies consistent with subsurface air-filled voids were found within the FR22 resistivity survey area; however, the existence of surface karst features suggests unstable ground.**
- **Moderately flat-lying stratigraphy is interpreted to exist beneath the area where the geophysical survey was conducted.**
- Due to the number of recognized surface karst features within the FR22 project site, employing a BLM-CFO approved karst monitor during excavation at this site is recommended.

6.0 DISCLOSURE STATEMENT

Karst occurrence zones are prone to rapid karst formation and warrant careful planning and engineering to mitigate karst-forming processes that could be accelerated by removal of surface cover or the vibrations associated with heavy equipment used in the remediation process.

Mitigation measures for any karst features revealed during excavation shall be approved by the Bureau of Land Management – Carlsbad Field Office and follow the Natural Resources Conservation Service Conservation Practice Standard for Karst Sinkhole Treatment, Code 527, or the Bureau of Land Management Cave and Karst Management Handbook, H-8380-1.

Vigilance during remediation activities is paramount. If voids are encountered during excavation, contact the Bureau of Land Management Karst Division at (575) 234-5972, the New Mexico State Land Office Surface Resources Division at (505) 827-5768, or a BLM-CFO approved karst contractor and request an on-site investigation from a karst expert if one is not already on site. A karst consultant can generally be available in Eddy County within five hours.

Approved karst monitors should have karst feature identification training, at least two years of supervised experience identifying karst features, wilderness first aid training, SRT training, confined space training, gas monitor training, and a minimum of SPAR cave rescue training through NCRC. They should have with them the proper gear and be prepared both physically and mentally to enter a collapse feature within minutes to perform a rescue if needed. Monitoring services with qualified karst monitors, as well as cave surveys and geophysical surveys, are available from Southwest Geophysical Consulting.

Under no circumstances should an untrained, inexperienced person enter a cave, pit, sinkhole, or collapse feature. All field employees of Southwest Geophysical Consulting have extensive caving experience and the ability to determine whether entry into a karst feature is safe or presents a hazard. In the event it is necessary to enter a karst feature, Southwest Geophysical Consulting can provide these services on request.

Cave and karst resource inventory reports, karst feature investigations, and geophysical reports commissioned at the request of the land manager should be submitted to the BLM-CFO at blm_nm_karst@blm.gov.

Cave and karst resource inventory reports for the NMSLO should be submitted to the respective project manager.

Environmental karst reports should be submitted to the appropriate project manager at the New Mexico Oil Conservation Division.

7.0 REFERENCES

- 1 Division, O. C. *Title 19, Chapter 15, Part 29* (Oil Conservation Division, 2018).
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8.0 GLOSSARY OF TERMS

AGI	Advanced Geosciences Inc.
BLM-CFO	Bureau of Land Management - Carlsbad Field Office
brecciated	Fractured rock caused by faulting or collapse.
caprock-collapse sinkhole	Collapse of roof-spanning rock into a cave or void.
cave	Natural opening at the surface large enough for a person to enter.
cover-collapse sinkhole	Collapse of roof-spanning soil or clay ground cover into a subsurface void.
ERI	Electrical Resistivity Imaging
GPS	Global Positioning System
grike	A solutionally enlarged, vertical, or sub-vertical joint or fracture.
(H)	High confidence modifier for a PKF. This is typically reserved for a feature that is definitely karst but has not been confirmed in the field.
HKOZ	High Karst Occurrence Zone
karst	A landscape containing solutional features such as caves, sinkholes, swallets, and springs.
(L)	Low confidence modifier for a PKF. This is typically a feature that cannot be ruled out as karst but is most likely NOT karst related. This modifier may also be used for pseudokarst features.
(M)	Medium confidence modifier for PKF. This is an ambiguous feature that can't be positively identified as karst without a field visit (e.g., burrows, abandoned unlined wells, solution tubes, pseudokarst).
MKOZ	Medium Karst Occurrence Zone
NCRC	National Cave Rescue Commission
NKF	Non-karst feature. Used for features originally identified as PKF that have been subsequently identified in the field as non-karst related. This term may also be used for pseudokarst features.
NMSLO	New Mexico State Land Office
Ohm-m	Ohm-meter, a unit of measurement for resistivity. Sometimes abbreviated Ω -m.
paleokarst	Previously formed karst features that have been filled in by erosion and/or deposition of minerals.
Pat	Permian Artesia Group
Pc	Permian Capitan Formation
Pcs	Permian Castile Formation

PdI	Permian Dewey Lake Formation
PKF	Possible karst feature. This term is reserved for features identified in satellite or aerial imagery that have NOT been visited in the field. Further modifiers include (H) for high confidence, (M) for medium confidence, and (L) for low confidence. These confidence levels are based on field experience.
PLSS	Public Land Survey System
Pqg	Permian Queen/Greyburg Formation
Pru	Permian Rustler Formation
pseudokarst	Karst-like features (sinkholes, conduits, voids etc.) that are not formed by dissolution. These types of features include soil piping, lava tubes, and some cover-collapse and suffosion sinkholes.
Psl	Permian Salado Formation
Psr	Permian Seven Rivers Formation
Pt	Permian Tansill Formation
Py	Permian Yates Formation
Qal	Quaternary alluvium
Qe	Quaternary eolian deposits
Qp	Quaternary piedmont deposits
Qpl	Quaternary playa lake deposits
RKF	Recognized karst feature. This term is reserved for karst features that have been physically verified in the field.
SPAR	Small Party Assisted Rescue
sUAS	Small, uncrewed aerial system
suffosion sinkhole	Raveling of soil into a pre-existing void or fracture.
swallet	A natural opening in the surface, too small for a person, that drains water to an aquifer. Some are "open," meaning a void can be seen below; some are "closed," meaning they are full of sediment.
SWG	Southwest Geophysical Consulting, LLC
UTM	Universal Transverse Mercator (projected coordinates)
(V)	Field verified modifier for a RKF. This indicates that the feature has been visited by a qualified karst professional in the field and fully identified
WGS	World Geodetic System (geographic coordinates)

9.0 ATTESTATION

David D. Decker, PhD, PG, CPG

Chief Executive Officer, Principal Geologist

Southwest Geophysical Consulting, LLC

5117 Fairfax Dr. NW

Albuquerque, NM 87114

dave@swgeophys.com

(505) 585-2550

CERTIFICATE OF AUTHOR

I, David D. Decker, a Licensed Professional Geologist and a Certified Professional Geologist, do certify that:

- I am currently employed as a consulting geologist in the specialty of caves and karst with an office address of 5117 Fairfax Dr. NW, Albuquerque, NM, USA, 87114.
- I graduated with a Master of Science in Applied Physics with a specialization in Sensor Systems from the Naval Post Graduate School in Monterey, California, in 2003, and a Doctor of Philosophy in Earth and Planetary Sciences from the University of New Mexico, Albuquerque, New Mexico, in 2018.
- I am a Licensed Professional Geologist in the State of Texas, USA (PG-15242) and have been since 2021. I am a Certified Professional Geologist through the American Institute of Professional Geologists (CPG-12123) and have been since 2021.
- I have been employed as a geologist continuously since 2016. I was previously employed as a Fire Controlman, Naval Flight Officer, and Aerospace Engineering Duty Officer in the U.S. Navy and operated, maintained, and installed various sensor systems including magnetic, electromagnetic, radar, communications, and acoustic systems in various capacities from 1986 through 2010.
- I have been involved in various aspects of cave and karst studies continuously since 1985, including exploration, mapping, and scientific studies.
- I have read the definition of “qualified karst professional” set out in the ASTM Standard Practice for Preliminary Karst Terrain Assessment for Site Development (ASTM E-1527). I meet the definition of “qualified professional” for the purposes of this standard.
- I am responsible for the content, compilation, and editing of all sections of report number NTGE-009-20250625 entitled, “Environmental Karst Study Report, Forehand Ranch 22 State No. 008H, Eddy County, New Mexico.” I or a duly authorized and qualified representative of Southwest Geophysical Consulting, LLC, have personally visited this site and/or reviewed the aerial imagery on the date or dates mentioned in section **2.3 Description of Survey**.

- I have no prior involvement nor monetary interest in the described property or project, save for my fee for conducting this investigation and providing the report.

Dated in Albuquerque, New Mexico, August 18, 2025.



David D. Decker
PhD, CPG-12123



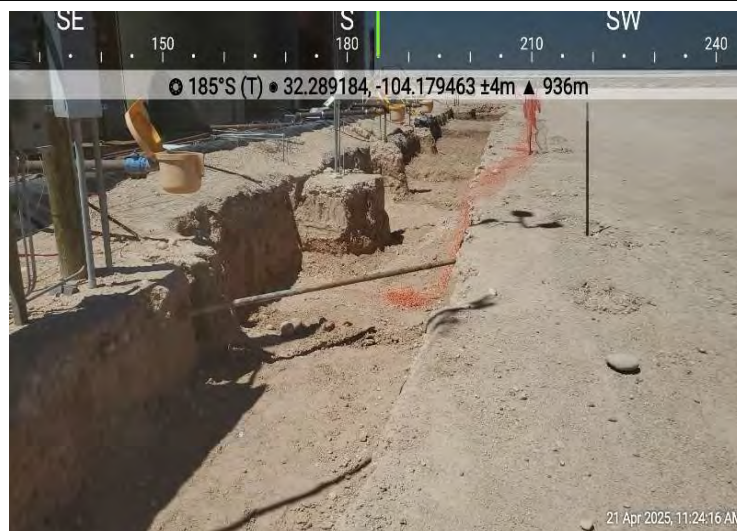
Photographic Log

PHOTOGRAPHIC LOG**3R Operating LLC
Forehand Ranch 22 State #008H****Photograph No. 1****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Initial Assessment**Photograph No. 2****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Initial Assessment**Photograph No. 3****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Initial Assessment

PHOTOGRAPHIC LOG**3R Operating LLC****Forehand Ranch 22 State #008H****Photograph No. 4****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Excavation**Photograph No. 5****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Excavation**Photograph No. 6****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Excavation

PHOTOGRAPHIC LOG**3R Operating LLC****Forehand Ranch 22 State #008H****Photograph No. 7****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Confirmation Sampling**Photograph No. 8****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Confirmation Sampling**Photograph No. 9****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Confirmation Sampling

PHOTOGRAPHIC LOG**3R Operating LLC
Forehand Ranch 22 State #008H****Photograph No. 10****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Confirmation Sampling**Photograph No. 11****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Confirmation Sampling**Photograph No. 12****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Confirmation Sampling

PHOTOGRAPHIC LOG**3R Operating LLC
Forehand Ranch 22 State #008H****Photograph No. 13****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Confirmation Sampling**Photograph No. 14****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
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Confirmation Sampling

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Forehand Ranch 22 State #008H****Photograph No. 16****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
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Confirmation Sampling

PHOTOGRAPHIC LOG

3R Operating LLC
Forehand Ranch 22 State #008H

Photograph No. 19

Facility: Forehand Ranch 22 State #008H

County: Eddy County, New Mexico

Description:
 Additional Delineation

**Photograph No. 20**

Facility: Forehand Ranch 22 State #008H

County: Eddy County, New Mexico

Description:
 Additional Delineation

**Photograph No. 21**

Facility: Forehand Ranch 22 State #008H

County: Eddy County, New Mexico

Description:
 Additional Delineation



PHOTOGRAPHIC LOG**3R Operating LLC
Forehand Ranch 22 State #008H****Photograph No. 22****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Additional Delineation**Photograph No. 23****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Additional Delineation**Photograph No. 24****Facility:** Forehand Ranch 22 State #008H**County:** Eddy County, New Mexico**Description:**
Additional Delineation

Laboratory Reports and Chain-of-Custody

NTGE Project No: 2510644

Released to Imaging: 1/30/2026 1:45:28 PM





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

January 29, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: FOREHAND RANCH 22 STATE #008H

Enclosed are the results of analyses for samples received by the laboratory on 01/28/25 11:07.

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.

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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 1 (0-.5') (H250484-01)

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	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 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	912	16.0	01/29/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 82.0 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 1 (1-1.5') (H250484-02)

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	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 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	1010	16.0	01/29/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 90.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.5 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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NTG ENVIRONMENTAL
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 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 1 (2-2.5') (H250484-03)

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	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTEx	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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	576	16.0	01/29/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.7 % 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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 1 (3-3.5') (H250484-04)

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	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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	544	16.0	01/29/2025	ND	464	116	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 1 (4-4.5') (H250484-05)

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	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 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	496	16.0	01/29/2025	ND	464	116	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 96.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 2 (0-.5') (H250484-06)

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	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 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	9400	16.0	01/29/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 89.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 3 (0-.5') (H250484-07)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/28/2025	ND	2.03	102	2.00	4.01		
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27		
Total BTX	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1390	16.0	01/29/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 3 (1-1.5') (H250484-08)

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	01/28/2025	ND	2.03	102	2.00	4.01		
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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	1600	16.0	01/29/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 3 (2-2.5') (H250484-09)

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	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	720	16.0	01/29/2025	ND	464	116	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 96.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 3 (3-3.5') (H250484-10)

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	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTEX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	816	16.0	01/29/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 95.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 3 (4-4.5') (H250484-11)

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	01/28/2025	ND	2.03	102	2.00	4.01		
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27		
Total BTX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 94.4 % 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	752	16.0	01/29/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 84.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 4 (0-.5') (H250484-12)

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	01/28/2025	ND	2.03	102	2.00	4.01		
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.8 % 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	01/29/2025	ND	464	116	400	7.14	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 89.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 4 (1-1.5') (H250484-13)

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	01/28/2025	ND	2.03	102	2.00	4.01		
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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	01/29/2025	ND	464	116	400	7.14		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 4 (2-2.5') (H250484-14)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 4 (3-3.5') (H250484-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 91.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 91.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 4 (4-4.5') (H250484-16)

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	01/28/2025	ND	2.03	102	2.00	4.01		
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.9 % 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	<16.0	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 93.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 5 (0-.5') (H250484-17)

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	01/28/2025	ND	2.03	102	2.00	4.01		
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27		
Total BTEX	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 93.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 5 (1-1.5') (H250484-18)

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	01/28/2025	ND	2.03	102	2.00	4.01		
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 5 (2-2.5') (H250484-19)

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	01/28/2025	ND	2.03	102	2.00	4.01		
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27		
Total BTEx	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 95.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 5 (3-3.5') (H250484-20)

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	01/28/2025	ND	2.03	102	2.00	4.01	
Toluene*	<0.050	0.050	01/28/2025	ND	2.12	106	2.00	4.20	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.05	103	2.00	4.19	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.01	100	6.00	4.27	
Total BTX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.8 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	205	103	200	0.821	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	196	97.8	200	0.334	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 94.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 5 (4-4.5') (H250484-21)

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	01/28/2025	ND	2.19	109	2.00	4.46		
Toluene*	<0.050	0.050	01/28/2025	ND	2.27	113	2.00	4.56		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.30	115	2.00	5.16		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.97	116	6.00	4.84		
Total BTEx	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	199	99.3	200	0.889	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	207	103	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 6 (0-.5') (H250484-22)

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	01/28/2025	ND	2.19	109	2.00	4.46	
Toluene*	<0.050	0.050	01/28/2025	ND	2.27	113	2.00	4.56	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.30	115	2.00	5.16	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.97	116	6.00	4.84	
Total BTEX	<0.300	0.300	01/28/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	496	16.0	01/29/2025	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	199	99.3	200	0.889	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	207	103	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 6 (1-1.5') (H250484-23)

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	01/28/2025	ND	2.19	109	2.00	4.46		
Toluene*	<0.050	0.050	01/28/2025	ND	2.27	113	2.00	4.56		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.30	115	2.00	5.16	GC-NC	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.97	116	6.00	4.84		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 150 % 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	464	16.0	01/29/2025	ND	432	108	400	3.64	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	199	99.3	200	0.889	
DRO >C10-C28*	213	10.0	01/28/2025	ND	207	103	200	2.73	
EXT DRO >C28-C36	29.5	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 91.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 6 (2-2.5') (H250484-24)

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	01/28/2025	ND	2.19	109	2.00	4.46		
Toluene*	<0.050	0.050	01/28/2025	ND	2.27	113	2.00	4.56		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.30	115	2.00	5.16		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.97	116	6.00	4.84		
Total BTEX	<0.300	0.300	01/28/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	688	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	199	99.3	200	0.889	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	207	103	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 6 (3-3.5') (H250484-25)

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	01/28/2025	ND	2.19	109	2.00	4.46		
Toluene*	<0.050	0.050	01/28/2025	ND	2.27	113	2.00	4.56		
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.30	115	2.00	5.16		
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.97	116	6.00	4.84		
Total BTEX	<0.300	0.300	01/28/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	480	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	199	99.3	200	0.889	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	207	103	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 01/28/2025
 Reported: 01/29/2025
 Project Name: FOREHAND RANCH 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY COUNTY, NM

Sampling Date: 01/27/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: D - 6 (4-4.5') (H250484-26)

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	01/28/2025	ND	2.19	109	2.00	4.46	
Toluene*	<0.050	0.050	01/28/2025	ND	2.27	113	2.00	4.56	
Ethylbenzene*	<0.050	0.050	01/28/2025	ND	2.30	115	2.00	5.16	
Total Xylenes*	<0.150	0.150	01/28/2025	ND	6.97	116	6.00	4.84	
Total BTX	<0.300	0.300	01/28/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	01/29/2025	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/28/2025	ND	199	99.3	200	0.889	
DRO >C10-C28*	<10.0	10.0	01/28/2025	ND	207	103	200	2.73	
EXT DRO >C28-C36	<10.0	10.0	01/28/2025	ND					

Surrogate: 1-Chlorooctane 92.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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



Chain of Custody

Work Order No:

H250484

Page 1 of 3

Project Manager:	Kellan Smith	Bill To: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Unperturbed <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Forehand Ranch 22 State #008H	Turn Around		Pres. Code	ANALYSIS REQUEST										Preservative Codes						
Project Number:	248970	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush													None: NO	DI Water: H ₂ O				
Project Location:	Eddy County	Due Date:	24 HR													Cool: Cool	MeOH: Me				
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm														HCL: HC	HNO ₃ : HN				
PO #:																H ₂ SO ₄ : H ₂	NaOH: Na				
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters										HOLD						
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:																			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:																			
Total Containers:	26	Corrected Temperature:																			
Sample Identification				Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
D-1 (0-5')				1/27/2025		X		Grab	1	X	X	X									
D-1 (1-1.5')				1/27/2025		X		Grab	1	X	X	X									
D-1 (2-2.5')				1/27/2025		X		Grab	1	X	X	X									
D-1 (3-3.5')				1/27/2025		X		Grab	1	X	X	X									
D-1 (4-4.5')				1/27/2025		X		Grab	1	X	X	X									
D-2 (0-5')				1/27/2025		X		Grab	1	X	X	X									
D-3 (0-5')				1/27/2025		X		Grab	1	X	X	X									
D-3 (1-1.5')				1/27/2025		X		Grab	1	X	X	X									
D-3 (2-2.5')				1/27/2025		X		Grab	1	X	X	X									
D-3 (3-3.5')				1/27/2025		X		Grab	1	X	X	X									

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Tyler Kimball		1-28-25 1107			



Chain of Custody

Work Order No: H258484

Page 2 of 3

Project Manager:	Kellan Smith	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Unperturbed <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	Forehand Ranch 22 State #008H	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST										Preservative Codes		
Project Number:	248970	Due Date:	24 HR													None: NO	DI Water: H ₂ O	
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm															Cool: Cool	MeOH: Me
Sampler's Name:	Tyler Kimball																HCL: HC	HNO ₃ : HN
PO #:																	H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT		Temp Blank:	Yes (No)	Well Ice:	Yes (No)											H ₃ PO ₄ : HP		
Received Intact:	Yes (No)	Thermometer ID:														NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes (No)	Correction Factor:														Na ₂ S ₂ O ₅ : NaSO ₃		
Sample Custody Seals:	Yes (No)	Temperature Reading:														Zn Acetate+NaOH: Zn		
Total Containers:	26	Corrected Temperature:														NaOH+Ascorbic Acid: SAPC		
Sample Identification	Date	Time	Soil	Water	Grab/Comp	# of Cont											Sample Comments	
D-3 (4-4.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			
D-4 (0-.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			
D-4 (1-1.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			
D-4 (2-2.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			
D-4 (3-3.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			
D-4 (4-4.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			
D-5 (0-.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			
D-5 (1-1.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			
D-5 (2-2.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			
D-5 (3-3.5')	1/27/2025		X		Grab	1	X	X	X	X	X	X	X	X	X			

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Tyler Kimball	<i>[Signature]</i>	1-28-25 1107			
3					
5					



Chain of Custody

Work Order No:

H250484

Page 3 of 3

Project Manager:	Kellian Smith	Bill To: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Work Order Comments	
Program: UST/PST	<input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund
State of Project:	
Reporting Level: I	<input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV
Deliverables:	EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

Project Name:	Forehand Ranch 22 State #008H	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code	
Project Number:	248970	Due Date:	24 HR		
Project Location:	Eddy County	TAT starts the day received by the lab, if received by 4:30pm			
Sampler's Name:	Tyler Kimball				
PO #:					
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:			
Total Containers:	26	Corrected Temperature:			
Sample Identification	Date	Time	Soil	Water	Grab/Comp
D-5 (4-4.5')	1/27/2025		X		Grab
D-6 (0-.5')	1/27/2025		X		Grab
D-6 (1-1.5')	1/27/2025		X		Grab
D-6 (2-2.5')	1/27/2025		X		Grab
D-6 (3-3.5')	1/27/2025		X		Grab
D-6 (4-4.5')	1/27/2025		X		Grab

ANALYSIS REQUEST											
Parameters											
BTX 8021B											
TPH 8015M (GRO + DRO + MRO)											
Chloride 4500											
HOLD											
Preservative Codes											
None: NO DI Water: H ₂ O											
Cool: Cool MeOH: Me											
HCL: HC HNO ₃ : HN											
H ₂ SO ₄ : H ₂ NaOH: Na											
H ₃ PO ₄ : HP											
NaHSO ₄ : NABIS											
Na ₂ S ₂ O ₃ : NaSO ₃											
Zn Acetate+NaOH: Zn											
NaOH+Ascorbic Acid: SAPC											
Sample Comments											

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
Tyler Kimball		1-28-25 1107			2
					4
					6



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

April 07, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: FHR 22 STATE #008H

Enclosed are the results of analyses for samples received by the laboratory on 04/04/25 11:39.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C24-00112. Accreditation applies to drinking water, non-potable water and solid and chemical materials. All accredited analytes are denoted by an asterisk (*). For a complete list of accredited analytes and matrices visit the TCEQ website at www.tceq.texas.gov/field/qa/lab_accred_certif.html.

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 1 (H252012-01)

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	04/04/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/04/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/04/2025	ND	5.93	98.8	6.00	8.04	
Total BTEX	<0.300	0.300	04/04/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	04/04/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 90.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 87.8 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 2 (H252012-02)

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	04/04/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/04/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/04/2025	ND	5.93	98.8	6.00	8.04	
Total BTEX	<0.300	0.300	04/04/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/04/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	11.2	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 3 (H252012-03)

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	04/04/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/04/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/04/2025	ND	5.93	98.8	6.00	8.04	
Total BTEX	<0.300	0.300	04/04/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	560	16.0	04/04/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	56.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 4 (H252012-04)

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	04/04/2025	ND	1.93	96.5	2.00	5.83		
Toluene*	<0.050	0.050	04/04/2025	ND	1.86	92.9	2.00	5.22		
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	1.90	95.1	2.00	7.66		
Total Xylenes*	<0.150	0.150	04/04/2025	ND	5.93	98.8	6.00	8.04		
Total BTEX	<0.300	0.300	04/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	04/04/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 5 (H252012-05)

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	04/04/2025	ND	1.93	96.5	2.00	5.83		
Toluene*	<0.050	0.050	04/04/2025	ND	1.86	92.9	2.00	5.22		
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	1.90	95.1	2.00	7.66		
Total Xylenes*	<0.150	0.150	04/04/2025	ND	5.93	98.8	6.00	8.04		
Total BTEX	<0.300	0.300	04/04/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/04/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 76.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 6 (H252012-06)

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	04/04/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/04/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/04/2025	ND	5.93	98.8	6.00	8.04	
Total BTEX	<0.300	0.300	04/04/2025	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	448	16.0	04/04/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	130	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	43.1	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 71.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.4 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 7 (H252012-07)

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	04/04/2025	ND	1.93	96.5	2.00	5.83		
Toluene*	<0.050	0.050	04/04/2025	ND	1.86	92.9	2.00	5.22		
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	1.90	95.1	2.00	7.66		
Total Xylenes*	<0.150	0.150	04/04/2025	ND	5.93	98.8	6.00	8.04		
Total BTEX	<0.300	0.300	04/04/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/04/2025	ND	432	108	400	3.77		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	30.4	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	13.2	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 73.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 8 (H252012-08)

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	04/05/2025	ND	1.93	96.5	2.00	5.83		
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04		
Total BTEX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	656	16.0	04/04/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 74.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 9 (H252012-09)

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	04/05/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04	
Total BTEX	<0.300	0.300	04/05/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	992	16.0	04/04/2025	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	33.3	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	11.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 71.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 10 (H252012-10)

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	04/05/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04	
Total BTEX	<0.300	0.300	04/05/2025	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	1140	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 11 (H252012-11)

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	04/05/2025	ND	1.93	96.5	2.00	5.83		
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04		
Total BTEX	<0.300	0.300	04/05/2025	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	368	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 77.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 12 (H252012-12)

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	04/05/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04	
Total BTEX	<0.300	0.300	04/05/2025	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	480	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 13 (H252012-13)

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	04/05/2025	ND	1.93	96.5	2.00	5.83		
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04		
Total BTEx	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	432	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 14 (H252012-14)

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	04/05/2025	ND	1.93	96.5	2.00	5.83		
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04		
Total BTEx	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	272	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 69.5 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 15 (H252012-15)

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	04/05/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04	
Total BTEX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 110 % 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	752	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 81.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.3 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 16 (H252012-16)

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	04/05/2025	ND	1.93	96.5	2.00	5.83		
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04		
Total BTEx	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 112 % 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	464	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 17 (H252012-17)

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	04/05/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04	
Total BTEX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	896	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 89.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 84.0 % 40.6-153

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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 18 (H252012-18)

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	04/05/2025	ND	1.93	96.5	2.00	5.83		
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04		
Total BTEx	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	640	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 86.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 19 (H252012-19)

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	04/05/2025	ND	1.93	96.5	2.00	5.83	
Toluene*	<0.050	0.050	04/05/2025	ND	1.86	92.9	2.00	5.22	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.90	95.1	2.00	7.66	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	5.93	98.8	6.00	8.04	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	1680	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 80.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 20 (H252012-20)

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	04/04/2025	ND	1.90	94.9	2.00	4.66		
Toluene*	<0.050	0.050	04/04/2025	ND	1.94	97.2	2.00	6.95		
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	2.26	113	2.00	7.48		
Total Xylenes*	<0.150	0.150	04/04/2025	ND	6.98	116	6.00	7.02		
Total BTEx	<0.300	0.300	04/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	320	16.0	04/04/2025	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	04/06/2025	ND	205	103	200	1.69	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	193	96.5	200	0.320	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 21 (H252012-21)

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	04/04/2025	ND	1.90	94.9	2.00	4.66		
Toluene*	<0.050	0.050	04/04/2025	ND	1.94	97.2	2.00	6.95		
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	2.26	113	2.00	7.48		
Total Xylenes*	<0.150	0.150	04/04/2025	ND	6.98	116	6.00	7.02		
Total BTX	<0.300	0.300	04/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	656	16.0	04/04/2025	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	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 71.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 22 (H252012-22)

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	04/04/2025	ND	1.90	94.9	2.00	4.66		
Toluene*	<0.050	0.050	04/04/2025	ND	1.94	97.2	2.00	6.95		
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	2.26	113	2.00	7.48		
Total Xylenes*	<0.150	0.150	04/04/2025	ND	6.98	116	6.00	7.02		
Total BTEx	<0.300	0.300	04/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 127 % 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	480	16.0	04/04/2025	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	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 65.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 62.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 23 (H252012-23)

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	04/04/2025	ND	1.90	94.9	2.00	4.66		
Toluene*	<0.050	0.050	04/04/2025	ND	1.94	97.2	2.00	6.95		
Ethylbenzene*	<0.050	0.050	04/04/2025	ND	2.26	113	2.00	7.48		
Total Xylenes*	<0.150	0.150	04/04/2025	ND	6.98	116	6.00	7.02		
Total BTEX	<0.300	0.300	04/04/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	800	16.0	04/04/2025	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	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 67.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 24 (H252012-24)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 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	608	16.0	04/04/2025	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	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 64.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.5 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 25 (H252012-25)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	80.0	16.0	04/04/2025	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	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 55.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 52.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 26 (H252012-26)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	400	16.0	04/04/2025	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	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 64.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 61.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 27 (H252012-27)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	384	16.0	04/04/2025	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	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 63.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 59.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 28 (H252012-28)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	512	16.0	04/04/2025	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	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 69.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 29 (H252012-29)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 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	320	16.0	04/04/2025	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	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 72.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 30 (H252012-30)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 128 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	208	16.0	04/06/2025	ND	384	96.0	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 68.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 31 (H252012-31)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 126 % 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	128	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 61.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 55.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS - 32 (H252012-32)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	272	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 63.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 58.3 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 1 (H252012-33)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTEX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 127 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 64.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 59.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 2 (H252012-34)

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	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTEX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	864	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	313	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	45.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 59.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 64.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 3 (H252012-35)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.90	94.9	2.00	4.66		
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	GC-NC	
Ethylbenzene*	0.057	0.050	04/05/2025	ND	2.26	113	2.00	7.48		
Total Xylenes*	1.34	0.150	04/05/2025	ND	6.98	116	6.00	7.02		
Total BTEX	1.40	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 132 % 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	464	16.0	04/06/2025	ND	384	96.0	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	25.4	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	703	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	73.5	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 71.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 81.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 4 (H252012-36)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.90	94.9	2.00	4.66		
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	04/06/2025	ND	384	96.0	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 66.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 63.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 5 (H252012-37)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.90	94.9	2.00	4.66		
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02		
Total BTEx	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	04/06/2025	ND	384	96.0	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 68.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 6 (H252012-38)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.90	94.9	2.00	4.66		
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02		
Total BTEX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	04/06/2025	ND	384	96.0	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	350	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	73.4	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 64.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 7 (H252012-39)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2025	ND	1.90	94.9	2.00	4.66	
Toluene*	<0.050	0.050	04/05/2025	ND	1.94	97.2	2.00	6.95	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	2.26	113	2.00	7.48	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.98	116	6.00	7.02	
Total BTEX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 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	400	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	33.3	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 65.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.4 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 8 (H252012-40)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTEx	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	04/06/2025	ND	384	96.0	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	202	101	200	0.568	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	201	101	200	3.61	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 57.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 57.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 9 (H252012-41)

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	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTEx	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	432	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.2 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 10 (H252012-42)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	592	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/05/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/05/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/05/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.2 % 40.6-153

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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 11 (H252012-43)

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	04/05/2025	ND	1.94	97.0	2.00	1.54	
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	624	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 75.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 12 (H252012-44)

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	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	576	16.0	04/06/2025	ND	384	96.0	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 74.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 13 (H252012-45)

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	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	544	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 75.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 14 (H252012-46)

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	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 113 % 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	160	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 78.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 15 (H252012-47)

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	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTEx	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	5040	16.0	04/06/2025	ND	384	96.0	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	332	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	155	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 86.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 16 (H252012-48)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTEX	<0.300	0.300	04/05/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1230	16.0	04/06/2025	ND	384	96.0	400	11.8		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	10.1	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 85.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 83.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 17 (H252012-49)

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	04/05/2025	ND	1.94	97.0	2.00	1.54	
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46	
Total BTX	<0.300	0.300	04/05/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	1220	16.0	04/06/2025	ND	384	96.0	400	11.8	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 76.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.7 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 18 (H252012-50)

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	04/05/2025	ND	1.94	97.0	2.00	1.54	
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	272	16.0	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	11.5	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 70.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 19 (H252012-51)

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	04/05/2025	ND	1.94	97.0	2.00	1.54	
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	160	16.0	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 80.8 % 44.4-145

Surrogate: 1-Chlorooctadecane 80.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 20 (H252012-52)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2025	ND	1.94	97.0	2.00	1.54	
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46	
Total BTEx	<0.300	0.300	04/05/2025	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	256	16.0	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 79.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 21 (H252012-53)

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	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTX	<0.300	0.300	04/05/2025	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	128	16.0	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 74.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 22 (H252012-54)

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	04/05/2025	ND	1.94	97.0	2.00	1.54	
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46	
Total BTEx	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 108 % 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	192	16.0	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 23 (H252012-55)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTX	<0.300	0.300	04/05/2025	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	80.0	16.0	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 79.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 24 (H252012-56)

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	04/05/2025	ND	1.94	97.0	2.00	1.54	
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46	
Total BTX	<0.300	0.300	04/05/2025	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	192	16.0	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 74.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.2 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 25 (H252012-57)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/05/2025	ND	1.94	97.0	2.00	1.54	
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46	
Total BTX	<0.300	0.300	04/05/2025	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	208	16.0	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	15.8	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.5 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 26 (H252012-58)

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	04/05/2025	ND	1.94	97.0	2.00	1.54	
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03	
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80	
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46	
Total BTX	<0.300	0.300	04/05/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.8 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/04/2025
 Reported: 04/07/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/04/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW - 27 (H252012-59)

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	04/05/2025	ND	1.94	97.0	2.00	1.54		
Toluene*	<0.050	0.050	04/05/2025	ND	1.88	93.8	2.00	1.03		
Ethylbenzene*	<0.050	0.050	04/05/2025	ND	1.93	96.4	2.00	1.80		
Total Xylenes*	<0.150	0.150	04/05/2025	ND	6.00	100	6.00	1.46		
Total BTEX	<0.300	0.300	04/05/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 103 % 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	672	16.0	04/07/2025	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	04/06/2025	ND	201	100	200	1.80	
DRO >C10-C28*	<10.0	10.0	04/06/2025	ND	213	107	200	0.539	
EXT DRO >C28-C36	<10.0	10.0	04/06/2025	ND					

Surrogate: 1-Chlorooctane 80.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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



Chain of Custody

Work Order No: 485202

Project Manager:	Kellan Smith	Bill To: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com
Project Name:	FHR 22 State #008H	Turn Around	
Project Number:	248970	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	Eddy Co, NM	Due Date:	24hr
Sampler's Name:	Clayton Tumas	TAT starts the day received by the lab, if received by 4:30pm	
PO #			
SAMPLE RECEIPT			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor:	60.3
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	4.1
Total Containers:	59	Corrected Temperature:	4.4

Parameters		ANALYSIS REQUEST											
BTEX 8021B													
TPH 8015M (GRO + DRO + MRO)													
Chloride 4500													
HOLD													
Preservative Codes													
None: NO		DI Water: H ₂ O											
Cool: Cool		MeOH: Me											
HCL: HC		HNO ₃ : HN											
H ₂ SO ₄ : H ₂		NaOH: Na											
H ₃ PO ₄ : HP													
NaHSO ₄ : NABIS													
Na ₂ S ₂ O ₃ : NaSO ₃													
Zn Acetate+NaOH: Zn													
NaOH+Ascorbic Acid: SAPC													

Work Order Comments													
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>													
State of Project:													
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>													
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:													

Project Name:		FHRR State #008H		Turn Around		ANALYSIS REQUEST												Preservative Codes						
Project Number:	248970		<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None: NO	DI Water: H ₂ O					
Project Location:	Eddy Co. NM				Due Date:	24hr																Cool: Cool	MeOH: Me	
Sampler's Name:	Clayton Turnas				TAT starts the day received by the lab, if received by 4:30pm																		HCL: HC	HNO ₃ : HN
PO #																							H ₂ SO ₄ : H ₂	NaOH: Na
SAMPLE RECEIPT					Temp Blank:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>															H ₃ PO ₄ : HP	
Received Intact:			Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	Thermometer ID:	#1100																NaHSO ₄ : NABIS			
Cooler Custody Seals:			Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	Correction Factor:	6.032																Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:			Yes <input checked="" type="checkbox"/> No <input checked="" type="checkbox"/>	N/A	Temperature Reading:	4.12																Zn Acetate+NaOH: Zn		
Total Containers:			59	Corrected Temperature:	4.42																NaOH+Ascorbic Acid: SAPC			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments				
CS-1		4/4/2025		X		Comp	1	X	X	X														
CS-2		4/4/2025		X		Comp	1	X	X	X														
CS-3		4/4/2025		X		Comp	1	X	X	X														
CS-4		4/4/2025		X		Comp	1	X	X	X														
CS-5		4/4/2025		X		Comp	1	X	X	X														
CS-6		4/4/2025		X		Comp	1	X	X	X														
CS-7		4/4/2025		X		Comp	1	X	X	X														
CS-8		4/4/2025		X		Comp	1	X	X	X														
CS-9		4/4/2025		X		Comp	1	X	X	X														
CS-10		4/4/2025		X		Comp	1	X	X	X														
Additional Comments:																								

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		11/31/4.4.25			



Chain of Custody

Work Order No: 185000

Page 2 of 6

Project Manager:	Kellan Smith	Bill To: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com
Project Name:	FHR 22 State #008H	Turn Around	
Project Number:	248970	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	Eddy Co. NM	Due Date:	24hr
Sampler's Name:	Clayton Turnas	TAT starts the day received by the lab, if received by 4:30pm	
PO #			
SAMPLE RECEIPT			
Received Inact:	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Thermometer ID:	#140
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	410.32
Total Containers:	59	Temperature Reading:	4.1
		Corrected Temperature:	4.4

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	
								BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500									
11	CS-11	4/4/2025		X		Comp	1	X	X	X								None: NO	DI Water: H ₂ O
12	CS-12	4/4/2025		X		Comp	1	X	X	X								Cool: Cool	MeOH: Me
13	CS-13	4/4/2025		X		Comp	1	X	X	X								HCL: HC	HNO ₃ : HN
14	CS-14	4/4/2025		X		Comp	1	X	X	X								H ₂ SO ₄ : H ₂	NaOH: Na
15	CS-15	4/4/2025		X		Comp	1	X	X	X								H ₃ PO ₄ : HP	
16	CS-16	4/4/2025		X		Comp	1	X	X	X								NaHSO ₄ : NABIS	
17	CS-17	4/4/2025		X		Comp	1	X	X	X								Na ₂ S ₂ O ₃ : NaSO ₃	
18	CS-18	4/4/2025		X		Comp	1	X	X	X								Zn Acetate+NaOH: Zn	
19	CS-19	4/4/2025		X		Comp	1	X	X	X								NaOH+Ascorbic Acid: SAPC	
20	CS-20	4/4/2025		X		Comp	1	X	X	X									

Additional Comments:

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		4-25-11:34			



Chain of Custody

Work Order No: 1195002

Page 3 of 6

Project Manager:	Kellan Smith	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntgglobal.com

Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other: <input type="checkbox"/>

Project Name:	FHR 22 State #008H	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number:	248970	Due Date:	24hr															None: NO	DI Water: H ₂ O		
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm																Cool: Cool	MeOH: Me		
Sampler's Name:	Clayton Turnas																	HCL: HC	HNO ₃ : HN		
PO #																		H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													H ₃ PO ₄ : HP			
Received Inact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:																NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:																Na ₂ S ₂ O ₅ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:																Zn Acetate+NaOH: Zn			
Total Containers:	59	Corrected Temperature:																NaOH+Ascorbic Acid: SAPC			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
21 CS-21		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
22 CS-22		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
23 CS-23		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
24 CS-24		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
25 CS-25		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
26 CS-26		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
27 CS-27		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
28 CS-28		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
29 CS-29		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
30 CS-30		4/4/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					

Additional Comments:

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<u>[Signature]</u>	<u>[Signature]</u>	<u>4/4/26/1139</u>			



Chain of Custody

Work Order No: 11850012

Page 4 of 6



Project Manager:	Keilani Smith	Bill To: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Work Order Comments
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:

[illegible]

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
					



Chain of Custody

Work Order No: 1053012

Page 5 of 6

Project Manager:	Kellan Smith	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Program: UST/PT <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	FHR 22 State #008H		<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush		Turn Around	Pres. Code	ANALYSIS REQUEST												Preservative Codes		
Project Number:	248970				Due Date:	24hr														None: NO Cool: Cool HCL: HC H ₂ SO ₄ : H ₂ H ₃ PO ₄ : HP NaHSO ₄ : NABIS Na ₂ S ₂ O ₃ : NaSO ₃ Zn Acetate+NaOH: Zn NaOH+Ascorbic Acid: SAPC	
Project Location:	Eddy Co. NM				TAT starts the day received by the lab, if received by 4:30pm																
Sampler's Name:	Clayton Turnas																				
PO #																					
SAMPLE RECEIPT		Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														
Received In tact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																			
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Correction Factor:		4.03														
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>			Temperature Reading:		4.12														
Total Containers:		59			Corrected Temperature:		4.42														
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTX 8021B													
41 SW-9		4/4/2025		X		Comp	1	X	X	X											
42 SW-10		4/4/2025		X		Comp	1	X	X	X											
43 SW-11		4/4/2025		X		Comp	1	X	X	X											
44 SW-12		4/4/2025		X		Comp	1	X	X	X											
45 SW-13		4/4/2025		X		Comp	1	X	X	X											
46 SW-14		4/4/2025		X		Comp	1	X	X	X											
47 SW-15		4/4/2025		X		Comp	1	X	X	X											
48 SW-16		4/4/2025		X		Comp	1	X	X	X											
49 SW-17		4/4/2025		X		Comp	1	X	X	X											
50 SW-18		4/4/2025		X		Comp	1	X	X	X											

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		4/4/25 11:29			



Chain of Custody

Work Order No.: 4558012Page 6 of 6

Project Manager:	Kellan Smith	Bill To: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com
Project Name:	FHR 22 State #008H	Turn Around	
Project Number:	248970	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	
Project Location:	Eddy Co. NM	Due Date:	24hr
Sampler's Name:	Clayton Turnas	TAT starts the day received by the lab, if received by 4:30pm	
PO #			

Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	ANALYSIS REQUEST										Preservative Codes	Sample Comments			
								BTEX 8021B	TPH 8015M (GRO + DRO + MRO)	Chloride 4500	HOLD											
51 SW-19		4/4/2025		X		Comp	1	X	X	X												
52 SW-20		4/4/2025		X		Comp	1	X	X	X												
53 SW-21		4/4/2025		X		Comp	1	X	X	X												
54 SW-22		4/4/2025		X		Comp	1	X	X	X												
55 SW-23		4/4/2025		X		Comp	1	X	X	X												
56 SW-24		4/4/2025		X		Comp	1	X	X	X												
57 SW-25		4/4/2025		X		Comp	1	X	X	X												
58 SW-26		4/4/2025		X		Comp	1	X	X	X												
59 SW-27		4/4/2025		X		Comp	1	X	X	X												

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<i>[Signature]</i>	<i>[Signature]</i>	4/4/25/1139			

Revised Date: 05/12/2020 Rev. 2020.1



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

April 22, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: FHR 22 STATE #008H

Enclosed are the results of analyses for samples received by the laboratory on 04/21/25 14:15.

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.

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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-6 (H252364-01)

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	04/22/2025	ND	2.20	110	2.00	1.05	
Toluene*	<0.050	0.050	04/22/2025	ND	2.40	120	2.00	2.58	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.62	131	2.00	2.48	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	7.71	129	6.00	2.23	
Total BTX	<0.300	0.300	04/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 129 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/22/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 79.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-8 (H252364-02)

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	04/22/2025	ND	2.20	110	2.00	1.05	
Toluene*	<0.050	0.050	04/22/2025	ND	2.40	120	2.00	2.58	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.62	131	2.00	2.48	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	7.71	129	6.00	2.23	
Total BTEx	<0.300	0.300	04/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 120 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	04/22/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 67.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 65.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-9 (H252364-03)

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	04/22/2025	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	04/22/2025	ND	2.40	120	2.00	2.58		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.62	131	2.00	2.48		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	7.71	129	6.00	2.23		
Total BTEX	<0.300	0.300	04/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 131 % 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	496	16.0	04/22/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 67.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 67.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-10 (H252364-04)

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	04/22/2025	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	04/22/2025	ND	2.40	120	2.00	2.58		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.62	131	2.00	2.48		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	7.71	129	6.00	2.23		
Total BTX	<0.300	0.300	04/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 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	464	16.0	04/22/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 71.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 70.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-15 (H252364-05)

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	04/22/2025	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	04/22/2025	ND	2.40	120	2.00	2.58		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.62	131	2.00	2.48		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	7.71	129	6.00	2.23		
Total BTEX	<0.300	0.300	04/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 123 % 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	496	16.0	04/22/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-17 (H252364-06)

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	04/22/2025	ND	2.20	110	2.00	1.05		
Toluene*	<0.050	0.050	04/22/2025	ND	2.40	120	2.00	2.58		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.62	131	2.00	2.48		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	7.71	129	6.00	2.23		
Total BTEX	<0.300	0.300	04/22/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 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	464	16.0	04/22/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 78.9 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-18 (H252364-07)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEX	<0.300	0.300	04/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 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	400	16.0	04/22/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 74.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.1 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-19 (H252364-08)

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	04/22/2025	ND	2.13	106	2.00	2.00		
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13		
Total BTEX	<0.300	0.300	04/22/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	04/22/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 73.2 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.2 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-20 (H252364-09)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEx	<0.300	0.300	04/22/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	368	16.0	04/22/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 75.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.2 % 40.6-153

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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-21 (H252364-10)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEx	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	04/22/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 79.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.3 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-22 (H252364-11)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEX	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	480	16.0	04/22/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 78.5 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-23 (H252364-12)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEx	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	640	16.0	04/22/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 78.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-24 (H252364-13)

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	04/22/2025	ND	2.13	106	2.00	2.00		
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13		
Total BTX	<0.300	0.300	04/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	04/22/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	193	96.4	200	2.22	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	190	95.0	200	1.20	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 77.3 % 44.4-145

Surrogate: 1-Chlorooctadecane 75.4 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-2A (H252364-14)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEx	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	04/22/2025	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	192	96.1	200	2.83	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	181	90.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 77.9 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-8A (H252364-15)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEx	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	04/22/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/21/2025	ND	192	96.1	200	2.83	
DRO >C10-C28*	<10.0	10.0	04/21/2025	ND	181	90.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	04/21/2025	ND					

Surrogate: 1-Chlorooctane 81.0 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.5 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-11A (H252364-16)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEX	<0.300	0.300	04/22/2025	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	04/22/2025	ND	400	100	400	3.92		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/22/2025	ND	192	96.1	200	2.83	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	181	90.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 72.5 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-16A (H252364-17)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEX	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	192	16.0	04/22/2025	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	04/22/2025	ND	192	96.1	200	2.83	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	181	90.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 78.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.9 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-17A (H252364-18)

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	04/22/2025	ND	2.13	106	2.00	2.00		
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07		
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12		
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13		
Total BTEx	<0.300	0.300	04/22/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	144	16.0	04/22/2025	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	04/22/2025	ND	192	96.1	200	2.83	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	181	90.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 82.7 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-28 (H252364-19)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTX	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/22/2025	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	04/22/2025	ND	192	96.1	200	2.83	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	181	90.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 82.4 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-29 (H252364-20)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEx	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	04/22/2025	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	04/22/2025	ND	192	96.1	200	2.83	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	181	90.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 80.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 76.0 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-30 (H252364-21)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTEX	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	04/22/2025	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	04/22/2025	ND	192	96.1	200	2.83	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	181	90.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 74.8 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/21/2025
 Reported: 04/22/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/21/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: SW-31 (H252364-22)

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	04/22/2025	ND	2.13	106	2.00	2.00	
Toluene*	<0.050	0.050	04/22/2025	ND	2.22	111	2.00	2.07	
Ethylbenzene*	<0.050	0.050	04/22/2025	ND	2.06	103	2.00	2.12	
Total Xylenes*	<0.150	0.150	04/22/2025	ND	6.17	103	6.00	2.13	
Total BTX	<0.300	0.300	04/22/2025	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	304	16.0	04/22/2025	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	04/22/2025	ND	192	96.1	200	2.83	
DRO >C10-C28*	<10.0	10.0	04/22/2025	ND	181	90.5	200	1.17	
EXT DRO >C28-C36	<10.0	10.0	04/22/2025	ND					

Surrogate: 1-Chlorooctane 83.1 % 44.4-145

Surrogate: 1-Chlorooctadecane 78.6 % 40.6-153

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1	Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
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



Chain of Custody

Work Order No: 71020814

Page 1 of 3

Project Manager:	Kellan Smith	Bill To: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com



Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other: _____	

Project Name:	FHR 22 State #008H	Turn Around		Pres. Code								ANALYSIS REQUEST						Preservative Codes			
Project Number:	248970	<input type="checkbox"/> Routine	<input checked="" type="checkbox"/> Rush														None; NO	DI Water; H ₂ O			
Project Location	Eddy Co. NM	Due Date:		24hr													Cool; Cool	MeOH; Me			
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm															HCL; HC	HNO ₃ ; HN			
PO #.																	H ₂ SO ₄ ; H ₂	NaOH; Na			
SAMPLE RECEIPT		Temp Blank:	Yes	No	Wet Ice:	Yes	No											H ₃ PO ₄ ; HP			
Received In tact:	Yes	No	Thermometer ID:	#140											NaHSO ₄ ; NABIS						
Cooler Custody Seals:	Yes	N/A	Correction Factor:	+0.3											Na ₂ S ₂ O ₃ ; NaSO ₃						
Sample Custody Seals:	Yes	N/A	Temperature Reading:	4.0											Zn Acetate+NaOH; Zn						
Total Containers:	22	Corrected Temperature:	4.3											HOLD		NaOH+Ascorbic Acid; SAPC					

[illegible]

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
		4/23/25/ 1415			



Chain of Custody

Work Order No: H350344Page 2 of 3

Project Manager:	Kellan Smith	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	FHR 22 State #008H	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number:	248970	Due Date:	24hr															None: NO DI Water: H ₂ O			
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm																Cool: Cool MeOH: Me			
Sampler's Name:	Tyler Kimball																	HCL: HC HNO ₃ : HN			
PO #:																		H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP			
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	#140															NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Correction Factor:	4.05															Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	Temperature Reading:	4.05															Zn Acetate+NaOH: Zn			
Total Containers:	22	Corrected Temperature:	4.35															NaOH+Ascorbic Acid: SAPC			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont	BTX 8021B												Sample Comments	
11 CS-22		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
12 CS-23		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
13 CS-24		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
14 SW-2A		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
15 SW-8A		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
16 SW-11A		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
17 SW-16A		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
18 SW-17A		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
19 SW-28		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
20 SW-29		4/21/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					

Additional Comments:

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Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	4/23/1415			



Chain of Custody

Work Order No: 11250344

Page 3 of 3



Project Manager:	Kellan Smith	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Work Order Comments
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/> State of Project: Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/> Deliverables: EDD <input type="checkbox"/> ADaPT <input type="checkbox"/> Other:

[illegible]

Additional Comments:

Notice: Signature of this document constitutes a valid relinquishment of samples constitutes a valid purchase order from client company to Xenoco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenoco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenoco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenoco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
1 		4.21.25/1415	2		
3			4		
5			6		



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

April 25, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: FHR 22 STATE #008H

Enclosed are the results of analyses for samples received by the laboratory on 04/25/25 11:28.

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.

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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/25/2025
 Reported: 04/25/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: CS - 23 (H252503-01)

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	04/25/2025	ND	2.13	107	2.00	1.24	
Toluene*	<0.050	0.050	04/25/2025	ND	2.16	108	2.00	1.54	
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.12	106	2.00	1.58	
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.28	105	6.00	1.99	
Total BTX	<0.300	0.300	04/25/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	176	16.0	04/25/2025	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	04/25/2025	ND	190	95.1	200	0.561	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	184	92.1	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 72.7 % 44.4-145

Surrogate: 1-Chlorooctadecane 71.3 % 40.6-153

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/25/2025
 Reported: 04/25/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 32 (H252503-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/25/2025	ND	2.13	107	2.00	1.24		
Toluene*	<0.050	0.050	04/25/2025	ND	2.16	108	2.00	1.54		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.12	106	2.00	1.58		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.28	105	6.00	1.99		
Total BTX	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 101 % 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	192	16.0	04/25/2025	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	04/25/2025	ND	178	88.9	200	2.62	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	179	89.5	200	3.09	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 72.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 68.0 % 40.6-153

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 04/25/2025
 Reported: 04/25/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 04/25/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: SW - 33 (H252503-03)

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	04/25/2025	ND	2.13	107	2.00	1.24		
Toluene*	<0.050	0.050	04/25/2025	ND	2.16	108	2.00	1.54		
Ethylbenzene*	<0.050	0.050	04/25/2025	ND	2.12	106	2.00	1.58		
Total Xylenes*	<0.150	0.150	04/25/2025	ND	6.28	105	6.00	1.99		
Total BTEx	<0.300	0.300	04/25/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 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	320	16.0	04/25/2025	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	04/25/2025	ND	198	98.8	200	1.88	
DRO >C10-C28*	<10.0	10.0	04/25/2025	ND	183	91.6	200	0.348	
EXT DRO >C28-C36	<10.0	10.0	04/25/2025	ND					

Surrogate: 1-Chlorooctane 76.6 % 44.4-145

Surrogate: 1-Chlorooctadecane 73.7 % 40.6-153

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: 4353503

Page 1 of 1

Project Manager:	Kellan Smith	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> TRRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	FHR 22 State #008H	Turn Around	<input type="checkbox"/> Routine <input checked="" type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number:	248970	Due Date:	Same Day															None: NO DI Water: H ₂ O			
Project Location:	Eddy Co. NM	TAT starts the day received by the lab, if received by 4:30pm																Cool: Cool MeOH: Me			
Sampler's Name:	Tyler Kimball																	HCL: HC HNO ₃ : HN			
PO #																		H ₂ SO ₄ : H ₂ NaOH: Na			
SAMPLE RECEIPT	Temp Blank: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>															H ₃ PO ₄ : HP			
Received In tact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Correction Factor: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																NaHSO ₄ : NABIS			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																Na ₂ S ₂ O ₃ : NaSO ₃			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>																Zn Acetate+NaOH: Zn			
Total Containers:	3																	NaOH+Ascorbic Acid: SAPC			
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
CS-23		4/25/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
SW-32		4/25/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					
SW-33		4/25/2025		X		Comp	1	X	X	X	X	X	X	X	X	X					

Additional Comments:

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time



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

November 12, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: FHR 22 STATE #008H

Enclosed are the results of analyses for samples received by the laboratory on 11/06/25 12:48.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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.

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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 0-0.5 (H257014-01)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/06/2025	ND	1.75	87.3	2.00	2.65	
Toluene*	<0.050	0.050	11/06/2025	ND	2.08	104	2.00	0.711	
Ethylbenzene*	<0.050	0.050	11/06/2025	ND	2.02	101	2.00	0.760	
Total Xylenes*	<0.150	0.150	11/06/2025	ND	6.03	101	6.00	0.649	
Total BTX	<0.300	0.300	11/06/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 122 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2025	ND	200	100	200	1.79	
DRO >C10-C28*	820	10.0	11/06/2025	ND	205	103	200	1.68	
EXT DRO >C28-C36	578	10.0	11/06/2025	ND					

Surrogate: 1-Chlorooctane 96.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 115 % 39.9-141

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 1-1.5 (H257014-02)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/07/2025	ND	1.75	87.3	2.00	2.65	GC-NC
Toluene*	<0.500	0.500	11/07/2025	ND	2.08	104	2.00	0.711	GC-NC
Ethylbenzene*	2.65	0.500	11/07/2025	ND	2.02	101	2.00	0.760	GC-NC1
Total Xylenes*	34.1	1.50	11/07/2025	ND	6.03	101	6.00	0.649	GC-NC1
Total BTEX	36.7	3.00	11/07/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 154 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	526	10.0	11/06/2025	ND	200	100	200	1.79	
DRO >C10-C28*	1610	10.0	11/06/2025	ND	205	103	200	1.68	
EXT DRO >C28-C36	558	10.0	11/06/2025	ND					

Surrogate: 1-Chlorooctane 120 % 52.4-130

Surrogate: 1-Chlorooctadecane 132 % 39.9-141

Cardinal Laboratories

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 2-2.5 (H257014-03)

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/06/2025	ND	1.75	87.3	2.00	2.65		
Toluene*	<0.050	0.050	11/06/2025	ND	2.08	104	2.00	0.711		
Ethylbenzene*	<0.050	0.050	11/06/2025	ND	2.02	101	2.00	0.760		
Total Xylenes*	<0.150	0.150	11/06/2025	ND	6.03	101	6.00	0.649		
Total BTEX	<0.300	0.300	11/06/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/06/2025	ND	200	100	200	1.79	
DRO >C10-C28*	<10.0	10.0	11/06/2025	ND	205	103	200	1.68	
EXT DRO >C28-C36	<10.0	10.0	11/06/2025	ND					

Surrogate: 1-Chlorooctane 78.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 85.9 % 39.9-141

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 3-3.5 (H257014-04)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/06/2025	ND	1.75	87.3	2.00	2.65	GC-NC
Toluene*	<0.500	0.500	11/06/2025	ND	2.08	104	2.00	0.711	GC-NC
Ethylbenzene*	6.94	0.500	11/06/2025	ND	2.02	101	2.00	0.760	GC-NC1
Total Xylenes*	63.4	1.50	11/06/2025	ND	6.03	101	6.00	0.649	GC-NC1
Total BTEX	70.4	3.00	11/06/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 177 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51		

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*	1320	10.0	11/06/2025	ND	200	100	200	1.79	
DRO >C10-C28*	3530	10.0	11/06/2025	ND	205	103	200	1.68	
EXT DRO >C28-C36	1000	10.0	11/06/2025	ND					

Surrogate: 1-Chlorooctane 165 % 52.4-130

Surrogate: 1-Chlorooctadecane 155 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 4-4.5 (H257014-05)

BTEX 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	11/06/2025	ND	1.75	87.3	2.00	2.65	GC-NC
Toluene*	<0.500	0.500	11/06/2025	ND	2.08	104	2.00	0.711	GC-NC
Ethylbenzene*	2.90	0.500	11/06/2025	ND	2.02	101	2.00	0.760	GC-NC1
Total Xylenes*	36.9	1.50	11/06/2025	ND	6.03	101	6.00	0.649	GC-NC1
Total BTEX	39.8	3.00	11/06/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 164 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	614	10.0	11/06/2025	ND	200	100	200	1.79	
DRO >C10-C28*	1830	10.0	11/06/2025	ND	205	103	200	1.68	
EXT DRO >C28-C36	538	10.0	11/06/2025	ND					

Surrogate: 1-Chlorooctane 116 % 52.4-130

Surrogate: 1-Chlorooctadecane 122 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 5-5.5 (H257014-06)

BTEx 8021B		mg/kg		Analyzed By: JH				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/07/2025	ND	1.80	89.8	2.00	1.23	GC-NC, QM-07
Toluene*	<0.100	0.100	11/07/2025	ND	1.90	95.1	2.00	1.52	GC-NC, QM-07
Ethylbenzene*	3.76	0.100	11/07/2025	ND	1.91	95.3	2.00	1.50	GC-NC1, QM-07
Total Xylenes*	27.2	0.300	11/07/2025	ND	6.16	103	6.00	1.34	GC-NC1, QM-07
Total BTEx	30.9	0.600	11/07/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 194 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	472	10.0	11/06/2025	ND	200	100	200	1.79	
DRO >C10-C28*	1380	10.0	11/06/2025	ND	205	103	200	1.68	
EXT DRO >C28-C36	419	10.0	11/06/2025	ND					

Surrogate: 1-Chlorooctane 110 % 52.4-130

Surrogate: 1-Chlorooctadecane 115 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 6-6.5 (H257014-07)

BTEx 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/07/2025	ND	1.80	89.8	2.00	1.23	GC-NC
Toluene*	<0.100	0.100	11/07/2025	ND	1.90	95.1	2.00	1.52	GC-NC
Ethylbenzene*	3.91	0.100	11/07/2025	ND	1.91	95.3	2.00	1.50	GC-NC1
Total Xylenes*	29.4	0.300	11/07/2025	ND	6.16	103	6.00	1.34	GC-NC1
Total BTEX	33.3	0.600	11/07/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 202 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51	

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*	659	10.0	11/07/2025	ND	185	92.3	200	6.65	QM-07, QR-03
DRO >C10-C28*	1820	10.0	11/07/2025	ND	188	94.2	200	6.40	QM-07
EXT DRO >C28-C36	197	10.0	11/07/2025	ND					

Surrogate: 1-Chlorooctane 133 % 52.4-130

Surrogate: 1-Chlorooctadecane 150 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 7-7.5 (H257014-08)

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	11/07/2025	ND	1.80	89.8	2.00	1.23	GC-NC
Toluene*	<0.050	0.050	11/07/2025	ND	1.90	95.1	2.00	1.52	GC-NC
Ethylbenzene*	2.79	0.050	11/07/2025	ND	1.91	95.3	2.00	1.50	GC-NC1
Total Xylenes*	20.2	0.150	11/07/2025	ND	6.16	103	6.00	1.34	GC-NC1
Total BTEX	23.0	0.300	11/07/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 214 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51		

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*	469	10.0	11/07/2025	ND	185	92.3	200	6.65	
DRO >C10-C28*	1320	10.0	11/07/2025	ND	188	94.2	200	6.40	
EXT DRO >C28-C36	139	10.0	11/07/2025	ND					

Surrogate: 1-Chlorooctane 128 % 52.4-130

Surrogate: 1-Chlorooctadecane 143 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 8-8.5 (H257014-09)

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	11/07/2025	ND	1.80	89.8	2.00	1.23	GC-NC
Toluene*	<0.050	0.050	11/07/2025	ND	1.90	95.1	2.00	1.52	GC-NC
Ethylbenzene*	2.31	0.050	11/07/2025	ND	1.91	95.3	2.00	1.50	GC-NC1
Total Xylenes*	13.1	0.150	11/07/2025	ND	6.16	103	6.00	1.34	GC-NC1
Total BTEX	15.4	0.300	11/07/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 209 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51	

TPH 8015M			mg/kg					Analyzed By: MS	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	382	10.0	11/07/2025	ND	185	92.3	200	6.65	
DRO >C10-C28*	1270	10.0	11/07/2025	ND	188	94.2	200	6.40	
EXT DRO >C28-C36	124	10.0	11/07/2025	ND					

Surrogate: 1-Chlorooctane 120 % 52.4-130

Surrogate: 1-Chlorooctadecane 133 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 0-0.5 (H257014-10)

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	11/07/2025	ND	1.80	89.8	2.00	1.23		
Toluene*	<0.050	0.050	11/07/2025	ND	1.90	95.1	2.00	1.52		
Ethylbenzene*	<0.050	0.050	11/07/2025	ND	1.91	95.3	2.00	1.50		
Total Xylenes*	<0.150	0.150	11/07/2025	ND	6.16	103	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2025	ND	185	92.3	200	6.65	
DRO >C10-C28*	<10.0	10.0	11/07/2025	ND	188	94.2	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	11/07/2025	ND					

Surrogate: 1-Chlorooctane 91.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 94.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 1-1.5 (H257014-11)

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	11/07/2025	ND	1.80	89.8	2.00	1.23		
Toluene*	<0.050	0.050	11/07/2025	ND	1.90	95.1	2.00	1.52		
Ethylbenzene*	<0.050	0.050	11/07/2025	ND	1.91	95.3	2.00	1.50		
Total Xylenes*	<0.150	0.150	11/07/2025	ND	6.16	103	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 122 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2025	ND	185	92.3	200	6.65	
DRO >C10-C28*	<10.0	10.0	11/07/2025	ND	188	94.2	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	11/07/2025	ND					

Surrogate: 1-Chlorooctane 93.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 101 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 2-2.5 (H257014-12)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.100	0.100	11/10/2025	ND	1.80	89.8	2.00	1.23	
Toluene*	<0.100	0.100	11/10/2025	ND	1.90	95.1	2.00	1.52	
Ethylbenzene*	2.01	0.100	11/10/2025	ND	1.91	95.3	2.00	1.50	GC-NC1
Total Xylenes*	30.1	0.300	11/10/2025	ND	6.16	103	6.00	1.34	GC-NC1
Total BTEX	32.1	0.600	11/10/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 134 % 70.4-141

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	11/06/2025	ND	448	112	400	3.51		

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*	1200	10.0	11/07/2025	ND	185	92.3	200	6.65	
DRO >C10-C28*	3530	10.0	11/07/2025	ND	188	94.2	200	6.40	
EXT DRO >C28-C36	420	10.0	11/07/2025	ND					

Surrogate: 1-Chlorooctane 162 % 52.4-130

Surrogate: 1-Chlorooctadecane 149 % 39.9-141

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 3-3.5 (H257014-13)

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	11/10/2025	ND	1.80	89.8	2.00	1.23		
Toluene*	<0.050	0.050	11/10/2025	ND	1.90	95.1	2.00	1.52		
Ethylbenzene*	<0.050	0.050	11/10/2025	ND	1.91	95.3	2.00	1.50		
Total Xylenes*	<0.150	0.150	11/10/2025	ND	6.16	103	6.00	1.34		
Total BTEX	<0.300	0.300	11/10/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/06/2025	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2025	ND	185	92.3	200	6.65	
DRO >C10-C28*	<10.0	10.0	11/07/2025	ND	188	94.2	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	11/07/2025	ND					

Surrogate: 1-Chlorooctane 94.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 99.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/06/2025
 Reported: 11/12/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/06/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 4-4.5 (H257014-14)

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	11/07/2025	ND	1.80	89.8	2.00	1.23		
Toluene*	<0.050	0.050	11/07/2025	ND	1.90	95.1	2.00	1.52		
Ethylbenzene*	<0.050	0.050	11/07/2025	ND	1.91	95.3	2.00	1.50		
Total Xylenes*	<0.150	0.150	11/07/2025	ND	6.16	103	6.00	1.34		
Total BTEX	<0.300	0.300	11/07/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 120 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/06/2025	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	11/07/2025	ND	185	92.3	200	6.65	
DRO >C10-C28*	<10.0	10.0	11/07/2025	ND	188	94.2	200	6.40	
EXT DRO >C28-C36	<10.0	10.0	11/07/2025	ND					

Surrogate: 1-Chlorooctane 95.6 % 52.4-130

Surrogate: 1-Chlorooctadecane 102 % 39.9-141

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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.
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.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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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Celey D. Keene, Lab Director/Quality Manager



Chain of Custody

Work Order No: HAS 7014

Page 1 of 2

Project Manager:	Kellan Smith	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> RRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:	FHR 22 State #008H	Turn Around	<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush	Pres. Code		ANALYSIS REQUEST												Preservative Codes			
Project Number:	248970	Due Date:																None: NO	DI Water: H ₂ O		
Project Location:	Eddy Co, NM																	Cool: Cool	MeOH: Me		
Sampler's Name:	Tyler Kimball	TAT starts the day received by the lab, if received by 4:30pm																HCL: HC	HNO ₃ : HN		
PO #:																		H ₂ SO ₄ : H ₂	NaOH: Na		
SAMPLE RECEIPT	Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Well Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Parameters												HOLD		
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Correction Factor:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													NaHSO ₄ : NABIS		
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													Na ₂ S ₂ O ₃ : NaSO ₃		
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	N/A	Temperature Reading:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Corrected Temperature:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>													Zn Acetate+NaOH: Zn		
Total Containers:																			NaOH+Ascorbic Acid: SAPC		
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments	
V-1	0-1.5	11-6-25	9:00	X		G	1	BTEX 8021B													
V-1	1-1.5							TPH 8015M (GRO + DRO + MRO)													
V-1	2-2.5							Chloride 4500													
V-1	3-3.5																				
V-1	4-4.5																				
V-1	5-5.5																				
V-1	6-6.5																				
V-1	7-7.5																				
V-1	8-8.5																				
V-2	9-9.5																				

Additional Comments: NO LABELS

Notice: Signature of this document and relinquishment of samples constitutes a valid purchase order from client company to Xenco, its affiliates and subcontractors. It assigns standard terms and conditions of service. Xenco will be liable only for the cost of samples and shall not assume any responsibility for any losses or expenses incurred by the client if such losses are due to circumstances beyond the control of Xenco. A minimum charge of \$85.00 will be applied to each project and a charge of \$5 for each sample submitted to Xenco, but not analyzed. These terms will be enforced unless previously negotiated.

Relinquished by: (Signature)	Received by: (Signature)	Date/Time	Relinquished by: (Signature)	Received by: (Signature)	Date/Time
<u>[Signature]</u>	<u>[Signature]</u>	<u>11-6-25 1:248</u>			



Chain of Custody

Work Order No: H257014

Page 2 of 2

Project Manager:	Kellan Smith	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	13212 N MacArthur Blvd	Address:	
City, State ZIP:	Oklahoma City, OK 73142	City, State ZIP:	
Phone:	(580) 682-1889	Email:	ksmith@ntglobal.com

Work Order Comments	
Program: UST/PST <input type="checkbox"/> PRP <input type="checkbox"/> Brownfields <input type="checkbox"/> RRC <input type="checkbox"/> Superfund <input type="checkbox"/>	
State of Project:	
Reporting Level: I <input type="checkbox"/> Level II <input type="checkbox"/> Level III <input type="checkbox"/> PST/UST <input type="checkbox"/> PRP <input type="checkbox"/> Level IV <input type="checkbox"/>	
Deliverables: EDD <input type="checkbox"/> ADAPT <input type="checkbox"/> Other:	

Project Name:		FHR 22 State #008H		Turn Around		Pres. Code	ANALYSIS REQUEST												Preservative Codes										
Project Number:		248970		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush															None: NO <input type="checkbox"/> DI Water: H ₂ O										
Project Location:		Eddy Co. NM		Due Date:															Cool: Cool <input type="checkbox"/> MeOH: Me										
Sampler's Name:		Tyler Kimball		TAT starts the day received by the lab, if received by 4:30pm															HCL: HC <input type="checkbox"/> HNO ₃ : HN										
PO #:																				H ₂ SO ₄ : H ₂									
SAMPLE RECEIPT		Temp Blank:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Wet Ice:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>														H ₃ PO ₄ : HP							
Received Intact:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Thermometer ID:																		NaHSO ₄ : NABIS							
Cooler Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Correction Factor:																		Na ₂ S ₂ O ₅ : NaSO ₃							
Sample Custody Seals:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Temperature Reading:																		Zn Acetate+NaOH: Zn							
Total Containers:		Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Corrected Temperature:																		NaOH+Ascorbic Acid: SAPC							
Sample Identification		Depth (ft bgs)		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
V-2		1-1.5		11-6-25		9:15		X				6		1															
V-2		2-2.5												1															
V-2		3-3.5												1															
V-2		4-4.5												1															

Additional Comments: NO labels

Relinquished by: (Signature)		Received by: (Signature)		Date/Time		Relinquished by: (Signature)		Received by: (Signature)		Date/Time	
<u>[Signature]</u>		<u>[Signature]</u>		11-6-25 1348							



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

November 20, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: FHR 22 STATE #008H

Enclosed are the results of analyses for samples received by the laboratory on 11/14/25 12:17.

Cardinal Laboratories is accredited through Texas NELAP under certificate number TX-C25-00101. 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.

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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 3 0-.5 (H257190-01)

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	11/18/2025	ND	2.20	110	2.00	4.88	
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52	
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12	
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26	
Total BTEX	<0.300	0.300	11/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 97.2 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/17/2025	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 77.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 3 1-1.5 (H257190-02)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.20	110	2.00	4.88		
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26		
Total BTX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.9 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/17/2025	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 68.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 62.3 % 39.9-141

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 3 2-2.5 (H257190-03)

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	11/18/2025	ND	2.20	110	2.00	4.88	
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52	
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12	
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26	
Total BTX	<0.300	0.300	11/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	11/17/2025	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 81.7 % 52.4-130

Surrogate: 1-Chlorooctadecane 67.3 % 39.9-141

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 3 3-3.5 (H257190-04)

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.20	110	2.00	4.88		
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26		
Total BTX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.9 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: KH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	608	16.0	11/17/2025	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 76.2 % 52.4-130

Surrogate: 1-Chlorooctadecane 63.5 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 3 4-4.5 (H257190-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	11/18/2025	ND	2.20	110	2.00	4.88		
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.8 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1570	16.0	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 79.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 65.7 % 39.9-141

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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 4 0-5 (H257190-06)

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	11/18/2025	ND	2.20	110	2.00	4.88	
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52	
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12	
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26	
Total BTEX	<0.300	0.300	11/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 70.4-141

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	11/17/2025	ND	448	112	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	11/18/2025	ND	208	104	200	2.39	
DRO >C10-C28*	840	10.0	11/18/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	707	10.0	11/18/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 93.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 4 1-1.5 (H257190-07)

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	11/18/2025	ND	2.20	110	2.00	4.88		
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.1 % 70.4-141

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	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	15.7	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	19.5	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 83.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.3 % 39.9-141

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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 4 2-2.5 (H257190-08)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2025	ND	2.20	110	2.00	4.88	
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52	
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12	
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26	
Total BTX	<0.300	0.300	11/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 82.8 % 52.4-130

Surrogate: 1-Chlorooctadecane 69.3 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 4 3-3.5 (H257190-09)

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	11/18/2025	ND	2.20	110	2.00	4.88		
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26		
Total BTEx	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.7 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 76.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 4 4-4.5 (H257190-10)

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	11/18/2025	ND	2.20	110	2.00	4.88		
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.11	105	2.00	3.12		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.37	106	6.00	3.26		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 96.3 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 64.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 0-5 (H257190-11)

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	11/18/2025	ND	2.20	110	2.00	4.88	
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52	GC-NC
Ethylbenzene*	0.798	0.050	11/18/2025	ND	2.11	105	2.00	3.12	GC-NC1
Total Xylenes*	2.03	0.150	11/18/2025	ND	6.37	106	6.00	3.26	GC-NC1
Total BTEX	2.83	0.300	11/18/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 139 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	11/17/2025	ND	448	112	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*	31.1	10.0	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	1580	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	401	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 82.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 106 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 1-1.5 (H257190-12)

BTX 8021B		mg/kg	Analyzed By: JH					S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	0.396	0.050	11/18/2025	ND	2.20	110	2.00	4.88	
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52	GC-NC
Ethylbenzene*	4.82	0.050	11/18/2025	ND	2.11	105	2.00	3.12	GC-NC1
Total Xylenes*	13.2	0.150	11/18/2025	ND	6.37	106	6.00	3.26	GC-NC1
Total BTX	18.4	0.300	11/18/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 160 % 70.4-141

Chloride, SM4500CI-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	11/17/2025	ND	448	112	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*	112	10.0	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	436	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	67.6	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.2 % 39.9-141

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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
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 2-2.5 (H257190-13)

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	11/18/2025	ND	2.20	110	2.00	4.88	
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52	
Ethylbenzene*	0.213	0.050	11/18/2025	ND	2.11	105	2.00	3.12	GC-NC1
Total Xylenes*	0.479	0.150	11/18/2025	ND	6.37	106	6.00	3.26	GC-NC1
Total BTEX	0.692	0.300	11/18/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 76.6 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 3-3.5 (H257190-14)

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	11/18/2025	ND	2.20	110	2.00	4.88	
Toluene*	<0.050	0.050	11/18/2025	ND	2.19	109	2.00	4.52	
Ethylbenzene*	0.202	0.050	11/18/2025	ND	2.11	105	2.00	3.12	GC-NC1
Total Xylenes*	0.484	0.150	11/18/2025	ND	6.37	106	6.00	3.26	GC-NC1
Total BTEX	0.686	0.300	11/18/2025	ND					GC-NC1

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	247	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	59.9	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 83.9 % 52.4-130

Surrogate: 1-Chlorooctadecane 80.9 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 4-4.5 (H257190-15)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2025	ND	2.17	108	2.00	7.86	
Toluene*	<0.050	0.050	11/18/2025	ND	2.07	103	2.00	0.922	
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.13	107	2.00	2.48	
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.65	111	6.00	2.22	
Total BTX	<0.300	0.300	11/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 83.0 % 52.4-130

Surrogate: 1-Chlorooctadecane 74.4 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 5-5.5 (H257190-16)

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	11/18/2025	ND	2.17	108	2.00	7.86		
Toluene*	<0.050	0.050	11/18/2025	ND	2.07	103	2.00	0.922		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.13	107	2.00	2.48		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.65	111	6.00	2.22		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 70.4-141

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	75.2	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	30.2	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 82.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 77.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 6-6.5 (H257190-17)

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	11/18/2025	ND	2.17	108	2.00	7.86		
Toluene*	<0.050	0.050	11/18/2025	ND	2.07	103	2.00	0.922		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.13	107	2.00	2.48		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.65	111	6.00	2.22		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

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	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 82.5 % 52.4-130

Surrogate: 1-Chlorooctadecane 73.0 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 7-7.5 (H257190-18)

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	11/18/2025	ND	2.17	108	2.00	7.86		
Toluene*	<0.050	0.050	11/18/2025	ND	2.07	103	2.00	0.922		
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.13	107	2.00	2.48		
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.65	111	6.00	2.22		
Total BTEX	<0.300	0.300	11/18/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 115 % 70.4-141

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	11/17/2025	ND	448	112	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	11/17/2025	ND	208	104	200	2.39	
DRO >C10-C28*	21.0	10.0	11/17/2025	ND	190	94.9	200	2.65	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 85.3 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.8 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 8-8.5 (H257190-19)

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	11/18/2025	ND	2.17	108	2.00	7.86	
Toluene*	<0.050	0.050	11/18/2025	ND	2.07	103	2.00	0.922	
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.13	107	2.00	2.48	
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.65	111	6.00	2.22	
Total BTEX	<0.300	0.300	11/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 114 % 70.4-141

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	11/17/2025	ND	448	112	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	11/17/2025	ND	188	94.0	200	0.286	
DRO >C10-C28*	43.3	10.0	11/17/2025	ND	194	96.8	200	2.24	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 79.1 % 52.4-130

Surrogate: 1-Chlorooctadecane 75.1 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
 KELLAN SMITH
 701 TRADEWINDS BLVD. SUITE C
 MIDLAND TX, 79706
 Fax To:

Received: 11/14/2025
 Reported: 11/20/2025
 Project Name: FHR 22 STATE #008H
 Project Number: 248970
 Project Location: EDDY CO., NM

Sampling Date: 11/14/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 5 9-9.5 (H257190-20)

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	11/18/2025	ND	2.17	108	2.00	7.86	
Toluene*	<0.050	0.050	11/18/2025	ND	2.07	103	2.00	0.922	
Ethylbenzene*	<0.050	0.050	11/18/2025	ND	2.13	107	2.00	2.48	
Total Xylenes*	<0.150	0.150	11/18/2025	ND	6.65	111	6.00	2.22	
Total BTX	<0.300	0.300	11/18/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 112 % 70.4-141

Chloride, SM4500CI-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	11/17/2025	ND	448	112	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	11/17/2025	ND	188	94.0	200	0.286	
DRO >C10-C28*	<10.0	10.0	11/17/2025	ND	194	96.8	200	2.24	
EXT DRO >C28-C36	<10.0	10.0	11/17/2025	ND					

Surrogate: 1-Chlorooctane 84.4 % 52.4-130

Surrogate: 1-Chlorooctadecane 79.7 % 39.9-141

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Celey D. Keene, Lab Director/Quality Manager

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Notes and Definitions

S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QM-07	The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
GC-NC1	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are biased high with interfering compounds.
GC-NC	8260 confirmation analysis was performed; initial GC results were not supported by GC/MS analysis and are reported as ND.
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", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTC Project Manager: Kellan Smith Address: 13212 N MacArthur Blvd City: Oklahoma City State: OK Zip: 73142 Phone #: 580-682-1889 Fax #: Project #: 248970 Project Owner: ZK Project Name: FHR 22 State #0084 Project Location: Eddy County Sample Name: WSR (Campbell)		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
Lab I.D. H5-7190 Sample I.D.		FOR LAB USE ONLY (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER: ACID/BASE: ICE / COOL OTHER:	
Date: 11-14-25 Time: 12:17 Date: 11-14-25 Time: 9:00		MATRIX PRESERV SAMPLING	
Relinquished By: [Signature] Relinquished By: [Signature] Retained By: [Signature]		REMARKS: Turnaround Time: Standard <input checked="" type="checkbox"/> Bacteria (only) Sample Condition Thermometer ID #140 <input checked="" type="checkbox"/> Cool Intact <input type="checkbox"/> Observed Temp. °C Correction Factor +0.3°C <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> Corrected Temp. °C	
Delivered By: (Circle One) UPS - Bus - Other:		CHECKED BY: [Signature] (Initials)	



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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: N-TOE Project Manager: Keelan Smith Address: 13212 N MacArthur Blvd City: Oklahoma City State: OK Zip: 73142 Phone #: 580-682-1889 Fax #: Project #: 248970 Project Owner: 3K Project Name: FHR 22 State #0084 Project Location: Eddy County Sampler Name: Eddy County		BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:	
FOR LAB USE ONLY		ANALYSIS REQUEST	
Lab I.D. H257190	Sample I.D. 11 V-5 0-5 12 V-5 1-1.5 13 V-5 2-2.5 14 V-5 3-3.5 15 V-5 4-4.5 16 V-5 5-5.5 17 V-5 6-6.5 18 V-5 7-7.5 19 V-5 8-8.5 20 V-5 9-9.5	(G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :	DATE TIME 11/4-25 9:15
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.		TPT Chlorides BTEX	
Relinquished By: [Signature]		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> Add'l Phone #:	
Relinquished By: [Signature]		REMARKS: 04634015-22	
Delivered By: (Circle One) Sampler - UPS - Bus - Other:		Observed Temp. °C 0.9 Corrected Temp. °C 1.2	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor +0.3°C	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		Bacteria (only) Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	
Observed Temp. °C 0.9 Corrected Temp. °C 1.2		Observed Temp. °C 0.9 Corrected Temp. °C 1.2	

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QUESTIONS

Action 542858

QUESTIONS

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 542858
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1726257962
Incident Name	NAB1726257962 FOREHAND RANCH 22 STATE #008H @ 30-015-43555
Incident Type	Oil Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-43555] FOREHAND RANCH 22 STATE #008H

Location of Release Source

Please answer all the questions in this group.

Site Name	FOREHAND RANCH 22 STATE #008H
Date Release Discovered	09/01/2017
Surface Owner	State

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: Fire Tank (Any) Crude Oil Released: 152 BBL Recovered: 0 BBL Lost: 152 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 542858

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
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QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more; (2) an unauthorized release of a volume that: (a) results in a fire or is the result of a fire.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Austin Trammell Title: Director of environmental and regulatory Email: atrammell@3roperating.com Date: 01/14/2026
--	--

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QUESTIONS, Page 3

Action 542858

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 542858
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Site Characterization	
<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 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 500 and 1000 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 500 and 1000 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Zero feet, overlying, or within area
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan	
<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
Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	9400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	5850
GRO+DRO (EPA SW-846 Method 8015M)	4850
BTEX (EPA SW-846 Method 8021B or 8260B)	70.4
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
On what estimated date will the remediation commence	02/27/2026
On what date will (or did) the final sampling or liner inspection occur	02/27/2026
On what date will (or was) the remediation complete(d)	03/02/2026
What is the estimated surface area (in square feet) that will be reclaimed	19245
What is the estimated volume (in cubic yards) that will be reclaimed	3160
What is the estimated surface area (in square feet) that will be remediated	19245
What is the estimated volume (in cubic yards) that will be remediated	3160
<i>These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.</i>	
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 4

Action 542858

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 542858
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<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>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	fEEM0112340644 R360 ARTESIA LLC LANDFARM
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site 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: Austin Tramell Title: Director of environmental and regulatory Email: atramell@3roperating.com Date: 01/17/2026
<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 542858

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 542858
	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 542858

QUESTIONS (continued)

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 542858
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	455019
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	04/25/2025
What was the (estimated) number of samples that were to be gathered	3
What was the sampling surface area in square feet	200

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 542858

CONDITIONS

Operator: 3R Operating, LLC 20405 State Highway 249 Houston, TX 77070	OGRID: 331569
	Action Number: 542858
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. Submit a remediation closure report to the OCD by 4/30/2026.	1/30/2026