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January 29, 2025

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

**Re: Deferral Request
Caza Operating, LLC
Gramma 27 State #003H
Unit O, Section 27, Township 21S, Range 34E
Site Coordinates: 32.443707, -103.456195
Lea County, New Mexico
Incident ID: nAPP2401531615**

Introduction

NTG Environmental, LLC (NTGE), on behalf of Caza Operating, LLC (Caza), submits this Deferral Request to the New Mexico Oil Conservation Division (NMOCD) District 2 Office in Artesia, New Mexico. This report provides documentation of initial soil delineation, sampling analysis, and remediation activities conducted to date in the affected areas at the Gramma 27 State #003H (Site). The Site is in Unit Letter O, Section 27, of Township 21 South and Range 34 East in Lea County, New Mexico. The GPS coordinates for the release site are 32.443707° N Latitude and -103.456195° 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 NMOCD, the release was discovered on January 14, 2024. The incident was the result of a treating tower freezing, resulting in the release of approximately nine (9) barrels (bbls) of produced water, of which zero (0) bbls were recovered for an approximate net loss of nine (9) bbls of produced water. Upon discovery the well was shut-in, and the area was secured. The release area is shown on 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. Two (2) receptors, a riverine and freshwater emergent wetland are within 300 feet of the Site. No other receptors (playas, wetlands, waterways, lakebeds, or ordinance boundaries) are located within each specific

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boundary or distance from the Site. According to the Karst Potential Map, the Site is located within a Low Karst area. The Site characterization documentation (Points of Diversion, Karst Potential, Significant Watercourse Map, Wetlands Map, and FEMA Map) are attached to the report.

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

General Site Characterization and Groundwater:

Site Characterization	Average Groundwater Depth (ft)
Low Karst	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)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.12 NMAC Table I Closure Criteria for Soils Impacted by a Release	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
Notes: --- = not defined					

Site Assessment Activities

On January 25, 2024, NTGE conducted initial site assessment activities to determine the extent of the release impact. A total of two (2) vertical sample points (i.e., V-1 and V-2) were installed at depths ranging from zero to two and a half feet (0-2.5) below ground surface (bgs). Additionally, three (3) horizontal sample points were installed adjacent to the release at depths ranging from zero to half a foot (0-0.5) bgs. The samples were submitted to Cardinal Laboratory (Cardinal) in Hobbs, New Mexico for analysis of benzene, toluene, ethylbenzene, and xylene (BTEX) by method EPA 8021B, total petroleum hydrocarbons (TPH) by EPA Method 8015 M, and chloride by Method SM4500CL-B. Analytical results indicated that TPH and/or chloride concentrations exceeded NMOCD Table I Closure Criteria in vertical sample point V-1 at zero (0) to two (2) and a half (2.5) ft bgs. Vertical sample point V-1 also exhibited BTEX concentrations above NMOCD regulatory limits at zero (0) to half (0.5) a ft bgs. Vertical sample point V-2 exhibited chloride concentrations exceeding NMOCD regulations while horizontal sample point H-3 exhibited TPH concentrations over NMOCD regulatory limits at zero (0) to half (0.5) a ft bgs.

Due to the initial soil delineation sample results exceeding NMOCD regulatory limits, NTGE returned to the site on January 31, 2024, to conduct further horizontal delineation adjacent to the impacted area. Further vertical delineation of the impacted area at this time was not achievable without utilizing mechanical equipment to penetrate the rock layer at two and a half (2.5) ft bgs. A total of three (3) horizontal samples (H-3A, H-4 and H-5) were installed with a geotechnical

hand auger at depths of zero to a half foot (0-0.5) ft bgs. The samples were submitted to Cardinal for analysis of BTEX, TPH, and chloride. Analytical results indicated that chloride concentrations exceeded NMOCD regulatory limits for sample H-5.

On October 30, 2024, NTGE and First Backhoe mobilized to the site to conduct further vertical delineation activities in the impacted area. Utilizing a backhoe, two vertical test pits (TP-1 and TP-2) were installed at depths ranging from three (3) to six (6) ft bgs within the impacted area to vertically characterize the impacts of the release. The samples were submitted to Eurofins in Carlsbad, New Mexico for analysis of BTEX, TPH, and chloride. Analytical results indicated that chloride concentrations exceeded NMOCD regulatory limits in TP-2 at a depth of three (3) ft bgs. Both test pits exhibited concentrations below NMOCD regulatory limits at four (4) to six (6) ft bgs and the release was adequately delineated.

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/or a backhoe and submitted to a certified laboratory for soil analysis. All soil samples were analyzed for BTEX, TPH, and chloride. Analytical results are provided in Table 1. Soil sample locations are shown on Figure 3 and laboratory reports containing analytical methods and chain-of-custody documents are attached.

Excavation, Waste Management and Confirmation Sampling

Based on the Site assessment activities, Caza proceeded with remedial action activities at the Site to include the excavation and disposal of impacted soils exhibiting concentrations above NMOCD regulatory limits. The Site was excavated to depths ranging from three (3) to six (6) ft bgs. Upon completion of the excavation, confirmation samples were collected from the excavation's sidewalls and base. Confirmation samples were collected as five (5) point composite samples from areas representing no more than 200 square feet in accordance with NMAC 19.15.29. All confirmation samples were submitted to Cardinal for analysis of BTEX, TPH, and chloride.

On November 26, 2024, NTGE conducted a confirmation sampling event whereby, a total of sixteen (16) confirmation samples were collected. Nine (9) confirmation samples (CS-1 – CS-9) were collected from the excavation base and seven (7) confirmation samples (SW-1 – SW-7) were collected from the excavation sidewalls. Analytical results were above the NMOCD regulatory limits for chlorides in soil samples CS-1, CS-2, CS-4, and CS-7 at four (4) ft bgs, and sidewall samples SW-1, SW-3, and SW-4. Additionally, soil sample SW-5 exceeded TPH concentrations for NMOCD regulatory limits.

On December 18, 2024, after further excavation activities, a total of twelve (12) confirmation samples were collected. Five (5) confirmation samples (CS-1, CS-2, CS-4, CS-7, and CS-10) were collected at depths ranging from four (4) to five (5) ft bgs at the excavations base and seven (7) confirmations samples (SW-3A, SW-4A, SW-8 through SW-12) were collected from the excavation sidewalls. Analytical results were above the NMOCD regulatory limits for chlorides in soil samples CS-1, CS-2, CS-4 at a depth of five (5) ft bgs, and sidewall samples SW-9, SW-11, and SW-12 at four to five (4-5) ft bgs.

On January 8, 2025, after further excavation activities, a total of six (6) confirmation samples were collected. Three (3) confirmation samples (CS-1, CS-2, and CS-4) were collected from the excavations base at six (6) ft bgs, and three (3) confirmations samples (SW-9A, SW-11A, and SW-12A) were collected from the excavation sidewalls. Analytical results of all the confirmation samples were below the NMOCD regulatory limits for all analytes.

Based on NTGE site assessment activities and soil data evaluation for delineation samples, NTGE conducted a sampling event on January 15, 2025, to determine if soils were impacted further west of soil samples V-1, H-5, SW-1, and SW-5. A total of three (3) deferral delineation samples (DS-1 to DS-3) were collected west of the excavation area around the surrounding production equipment. Analytical results of all deferral delineation samples were below NMOCD regulatory limits, thus the impacted areas of V-1, H-5, SW-1, and SW-5 are delineated vertically and horizontally by the surrounding deferral samples.

The excavation extent, excavation depths, and confirmation sample locations are shown on Figure 4. A total of approximately 352 cubic yards (yd³) of impacted soil were excavated and transported offsite 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.

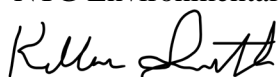
Closure and Deferral Request

Based on the assessment, remediation efforts, and requisite confirmation sampling events, the Site is in compliance with NMOCD regulatory requirements except for the areas immediately west of samples SW-1 and SW-5, including the area where V-1 and H-5 were collected. Further remediation of the area immediately west of SW-1 and SW-5 was not feasible without compromising or destabilizing the integrity of the surrounding facility equipment and piping. The impacted area is horizontally and vertically delineated by the deferral delineation samples (DS-1 to DS-3) and test pits TP-1 and TP-2.

Based on supporting documentation provided in this report, NTGE, on behalf of Caza respectfully requests deferral of soils left in-situ above NMOCD standards near and around soil samples V-1, H-5, SW-1, and SW-5, until time of abandonment or upgrade of equipment allows for accessibility to the area.

If you have any questions regarding this report or need additional information, please contact us at (832) 374-0004.

Sincerely,
NTG Environmental



Kellan Smith
Project Manager

Nick Hart
Project Manager

NTGE Project No: 248172



Attachments:

Site Characterization Information
Tables
Figures
Photographic Log
Laboratory Reports

Site Characterization Information

OSE POD Location Map



1/15/2024, 10:16:08 AM

- Override 1

OSE District Boundary

New Mexico State Trust Lands

NHD Flowlines
- GIS WATERS PODs

Water Right Regulations

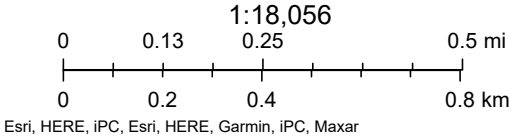
Subsurface Estate

Artificial Path
- Active

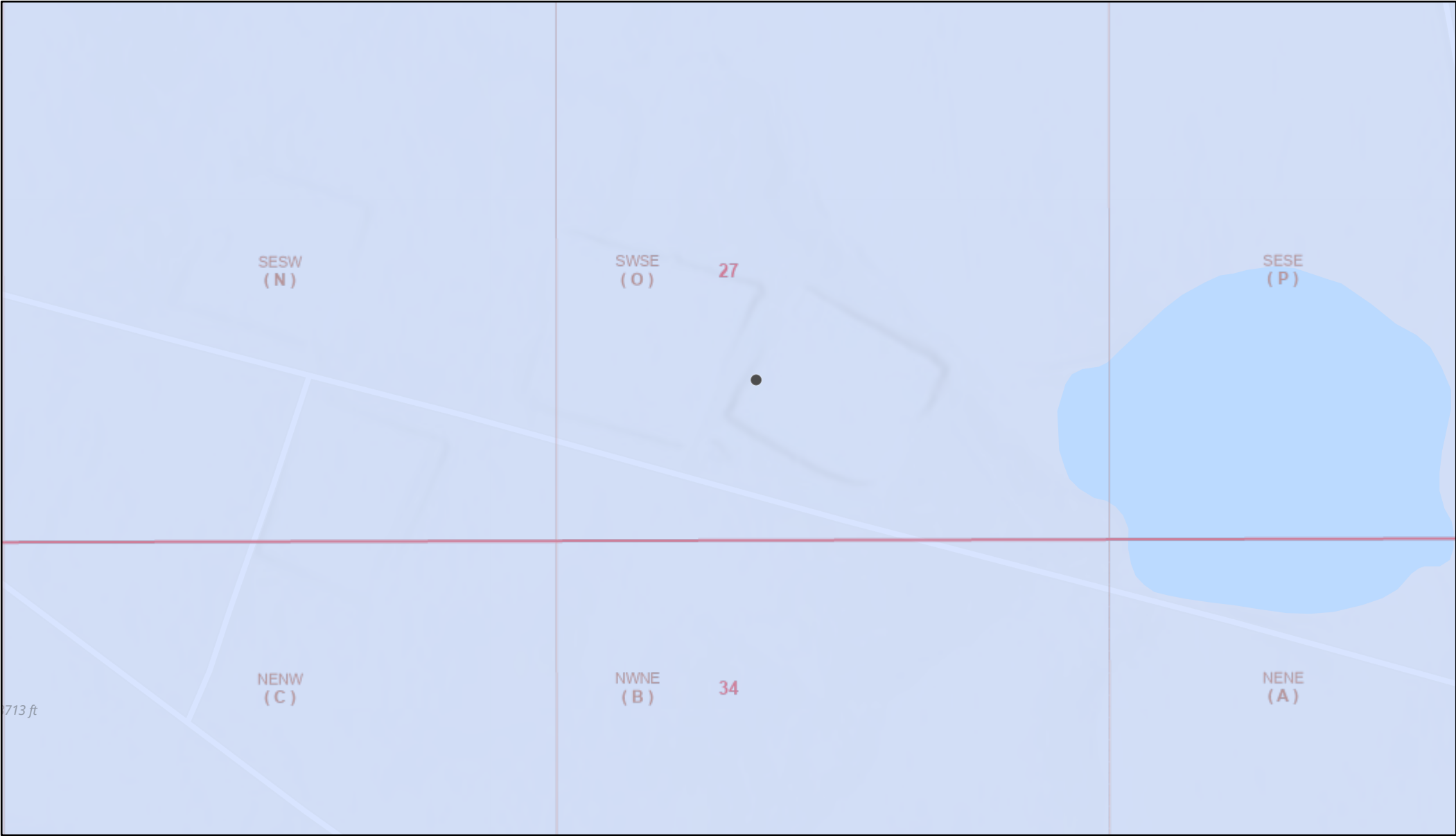
Closure Area

Both Estates

Stream River



Site Characterization Map



1/15/2024, 10:24:07 AM




Karst Occurrence Potential PLSS Second Division
 Low PLSS First Division

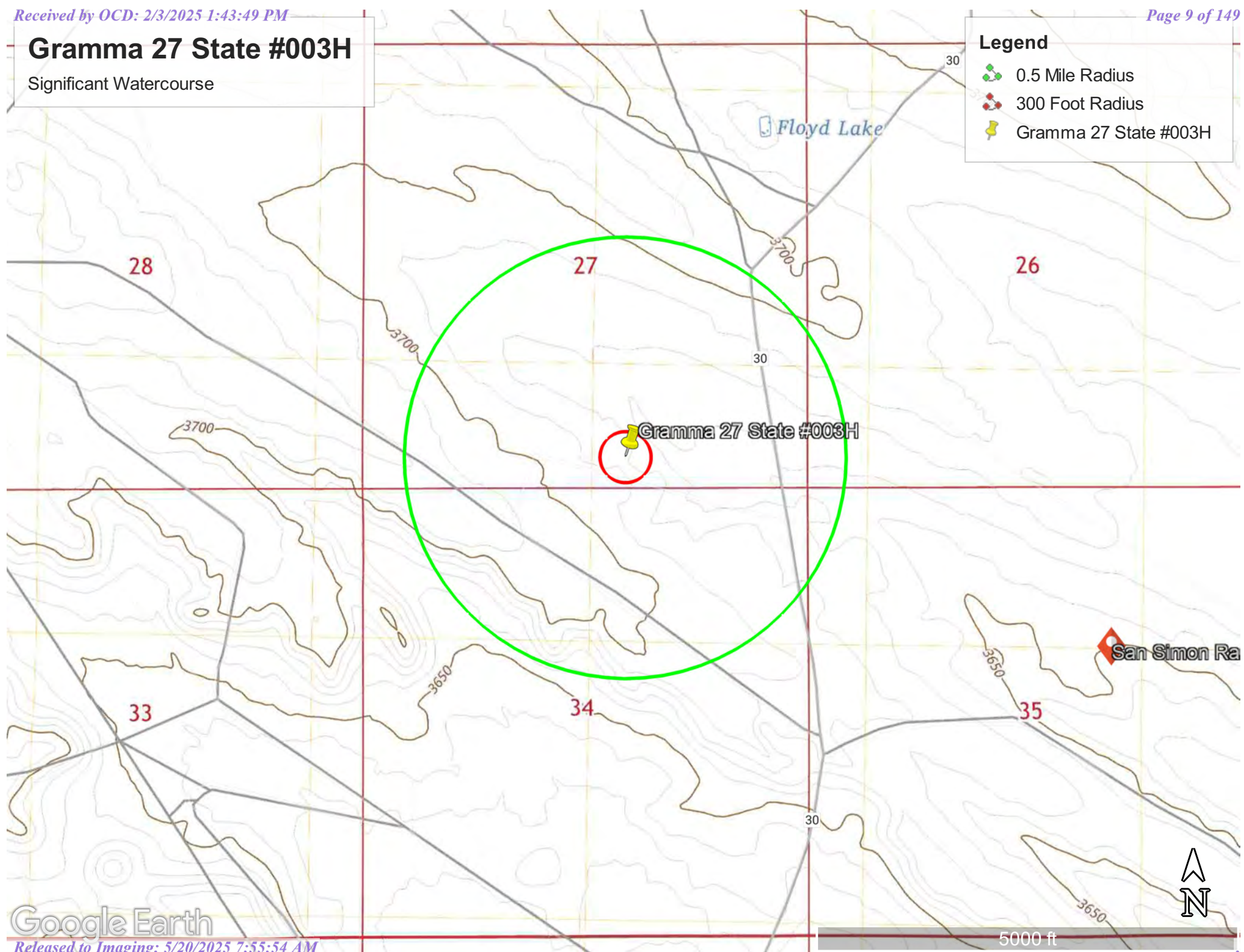
1:4,514
0 0.03 0.07 0.13 mi
0 0.05 0.1 0.2 km
BLM, OCD, New Mexico Tech, Sources: Esri, Airbus DS, USGS, NGA, NASA, CGIAR, N Robinson, NCEAS, NLS, OS, NMA, Geodatastyrelsen, Rijkswaterstaat, GSA, Geoland, FEMA, Intermap and the GIS user community, OCD, Esri Community Maps Contributors, New Mexico State University, Texas

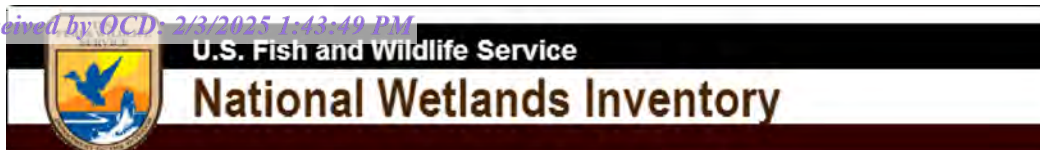
Gramma 27 State #003H

Significant Watercourse

Legend

-  0.5 Mile Radius
-  300 Foot Radius
-  Gramma 27 State #003H





Wetlands Map



January 15, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

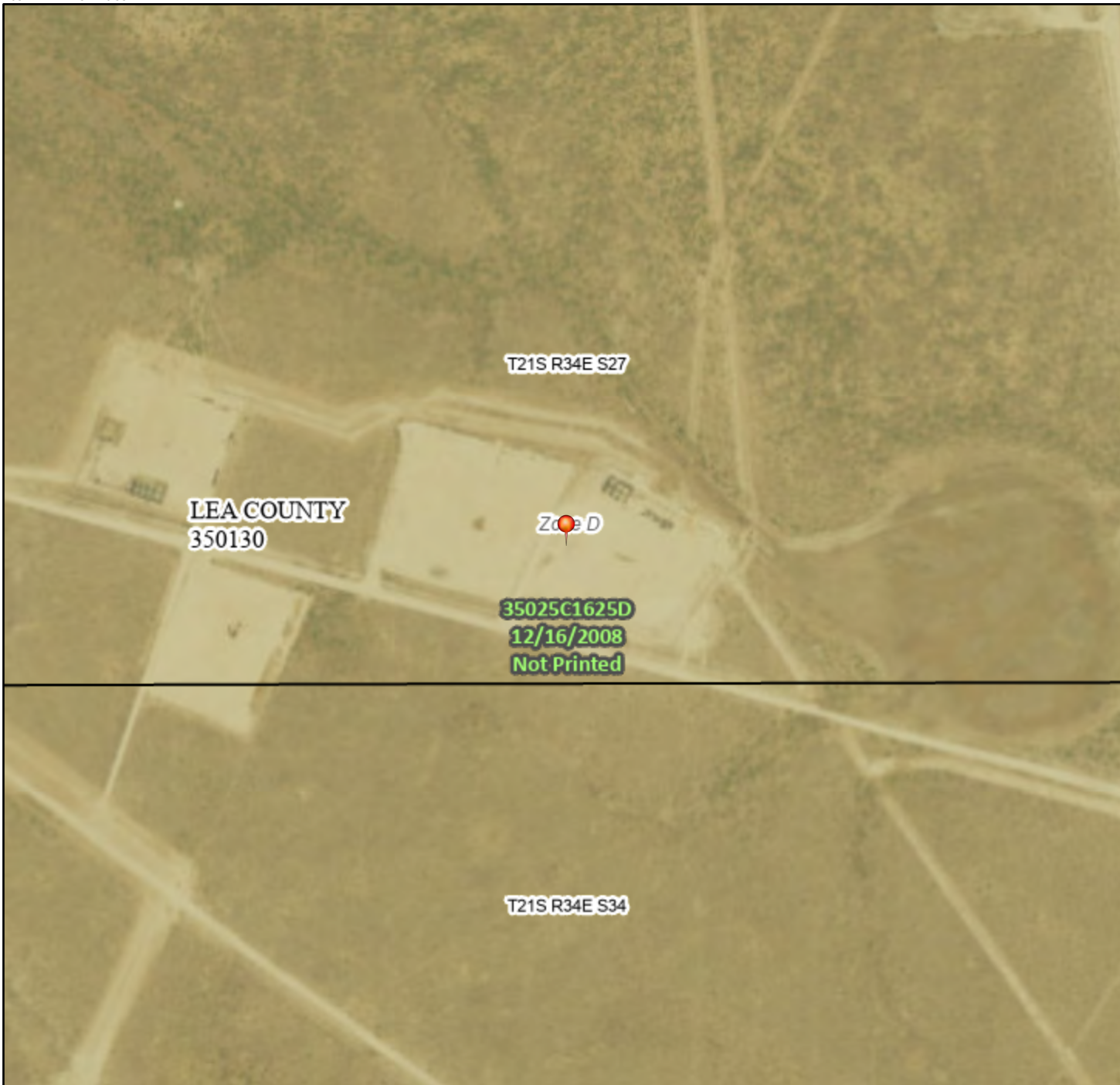
- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMMette



103°27'41"W 32°26'53"N



1:6,000

103°27'41"W 32°26'22"N

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		Cross Sections with 1% Annual Chance Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 1/15/2024 at 11:12 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.

Tables

Table 1
Summary of Soil Analytical Data - Delineation Samples
Gramma 27 State #003H
Caza Operating, LLC.
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Vertical Delineation Samples													
V-1	01/25/24	0-0.5'	<0.050	13.1	10.3	71.6	95.0	2,130	9,890	12,020	1,140	13,160	6,560
	01/25/24	1-1.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	57.1	57.1	<10.0	57.1	4,320
	01/25/24	2-2.5'	<0.050	<0.050	<0.050	0.521	0.521	36.2	602	638.2	75.1	713.3	1,580
V-2	01/25/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.1	27.1	<10.0	27.1	13,000
TP-1	10/30/24	3'	<0.00200	<0.00200	<0.00200	<0.00401	<0.00401	<50.4	<50.4	<50.4	<50.4	<50.4	314
	10/30/24	4'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<50.5	<50.5	<50.5	<50.5	<50.5	249
	10/30/24	5'	<0.00199	<0.00199	<0.00199	<0.00398	<0.00398	<49.9	<49.9	<49.9	<49.9	<49.9	475
	10/30/24	6'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<49.7	<49.7	<49.7	<49.7	<49.7	291
TP-2	10/30/24	3'	<0.00204	<0.00204	<0.00204	<0.00407	<0.00407	<49.7	<49.7	<49.7	<49.7	<49.7	883
	10/30/24	4'	<0.00198	<0.00198	<0.00198	<0.00396	<0.00396	<49.6	<49.6	<49.6	<49.6	<49.6	387
	10/30/24	5'	<0.00199	<0.00199	0.00273	<0.00398	<0.00398	<50.3	<50.3	<50.3	<50.3	<50.3	498
	10/30/24	6'	<0.00200	<0.00200	<0.00200	<0.00399	<0.00399	<50.2	<50.2	<50.2	<50.2	<50.2	454
Horizontal Delineation Samples													
H-1	01/25/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	176
H-2	01/25/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	47.8	47.8	13.7	61.5	48.0
H-3	01/25/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	340	340	139	479	96.0
H-3A	01/31/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	17.8	17.8	<10.0	17.8	80.0
H-4	01/31/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
H-5	01/31/24	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	768

Notes:

- Values reported in mg/kg
- < = Value Less Than Reporting Limit (RL)
- Bold indicates Analyte Detected
- BTEX analyses by EPA Method SW 8021B
- TPH analyses by EPA Method SW 8015 Mod.
- GRO/DRO/MRO - Gasoline/Diesel/Motor Oil
- Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.
- 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

SP-1	Sample Point Excavated
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Table 2
Summary of Soil Analytical Data - Confirmation Samples
Gramma 27 State #003H
Caza Operating, LLC
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 0-50 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	11/26/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,300
	12/18/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	608
	1/8/2025	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
CS-2	11/26/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	960
	12/18/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	784
	1/8/2025	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	240
CS-3	11/26/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	576
CS-4	11/26/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,550
	12/18/2024	5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	5,120
	1/8/2025	6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS-5	11/26/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	42.6	42.6	<10.0	42.6	416
CS-6	11/26/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	304
CS-7	11/26/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,470
	12/18/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	400
CS-8	11/26/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	71.9	71.9	<10.0	71.9	592
CS-9	11/26/2024	3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	208
CS-10	12/18/2024	4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
Sidewall Confirmation Samples													
SW-1	11/26/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	6,400
SW-2	11/26/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	448
SW-3	11/26/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	688
SW-3A	12/18/2024	0-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	27.4	27.4	<10.0	27.4	336
SW-4	11/26/2024	3-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,200
SW-4A	12/18/2024	3-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	58.2	58.2	14.4	72.6	432
SW-5	11/26/2024	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	510	510	336	846	480
SW-6	11/26/2024	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	26.0	26.0	<10.0	26.0	64.0
SW-7	11/26/2024	0-3'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	224
SW-8	12/18/2024	3-4'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	64.0
SW-9	12/18/2024	4-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	1,220
SW-9A	1/8/2025	4-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	192
SW-10	12/18/2024	4-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
SW-11	12/18/2024	4-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	736
SW-11A	1/8/2025	4-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	272
SW-12	12/18/2024	4-5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	896
SW-12A	1/8/2025	4-6'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	288

Table 2
Summary of Soil Analytical Data - Confirmation Samples
Gramma 27 State #003H
Caza Operating, LLC
Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene	Toluene	Ethylbenzene	Xylenes	BTEX	TPH					Chloride
								GRO (C6-C10)	DRO (C10-C28)	GRO + DRO (C6-C28)	MRO (C28-C35)	Total GRO/DRO/MRO (C6-C35)	
			(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	(mg/kg)	
			Table I Closure Criteria for Soil 0-50 feet Depth to Groundwater 19.15.29 NMAC										
			10 mg/kg	---	---	---	50 mg/kg	---	---	---	---	100 mg/kg	600 mg/kg
Deferral Samples													
DS-1	1/15/2025	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
	1/15/2025	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
	1/15/2025	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
	1/15/2025	3-3.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	160
	1/15/2025	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	96.0
DS-2	1/15/2025	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
	1/15/2025	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
	1/15/2025	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
	1/15/2025	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
	1/15/2025	4-4.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	48.0
DS-3	1/15/2025	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
	1/15/2025	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
	1/15/2025	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
	1/15/2025	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
	1/15/2025	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

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

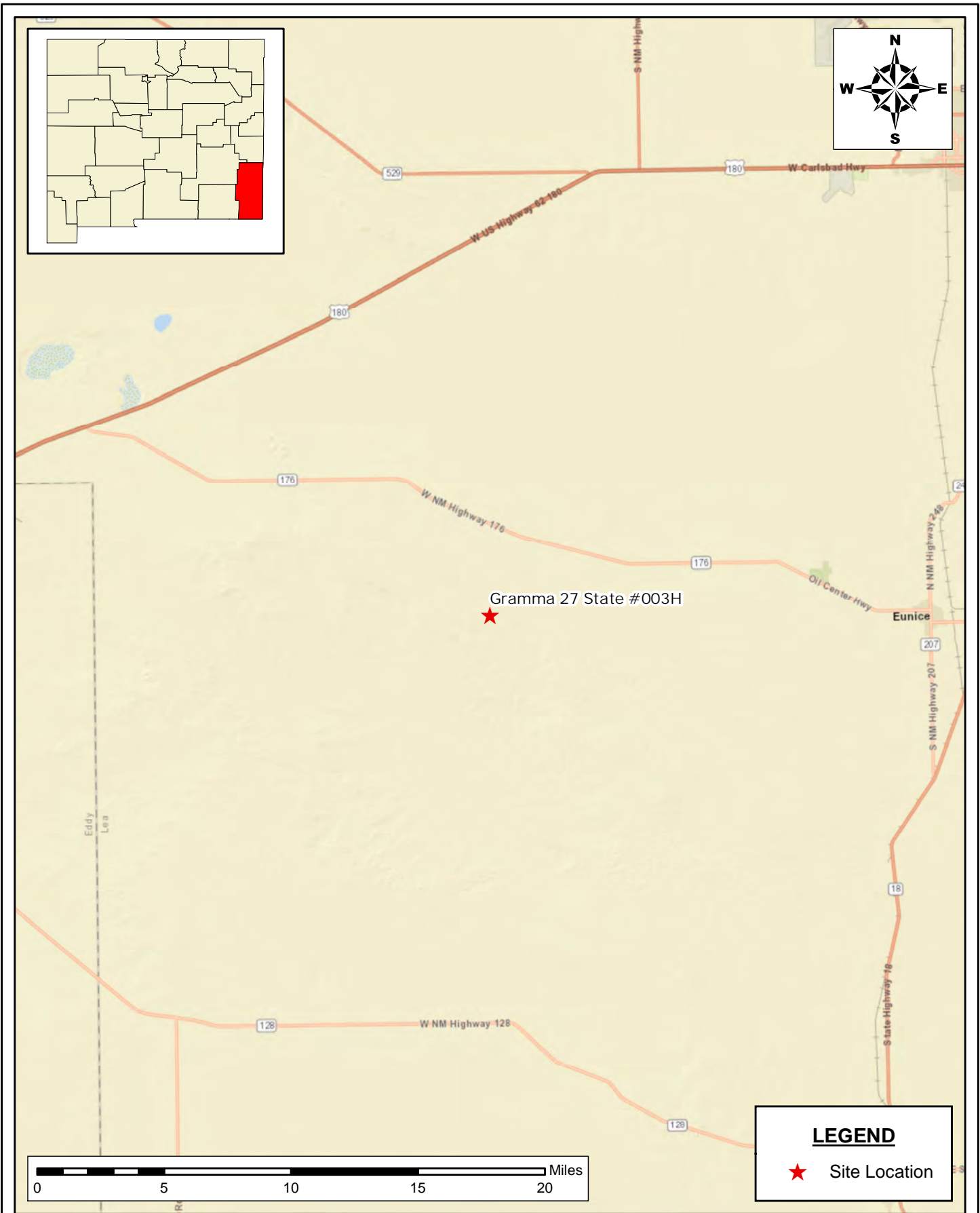
7. Yellow shaded cells indicate analytical samples that exceed the NMAC 19.15.29.12 Table I Closure Criteria for the site.

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

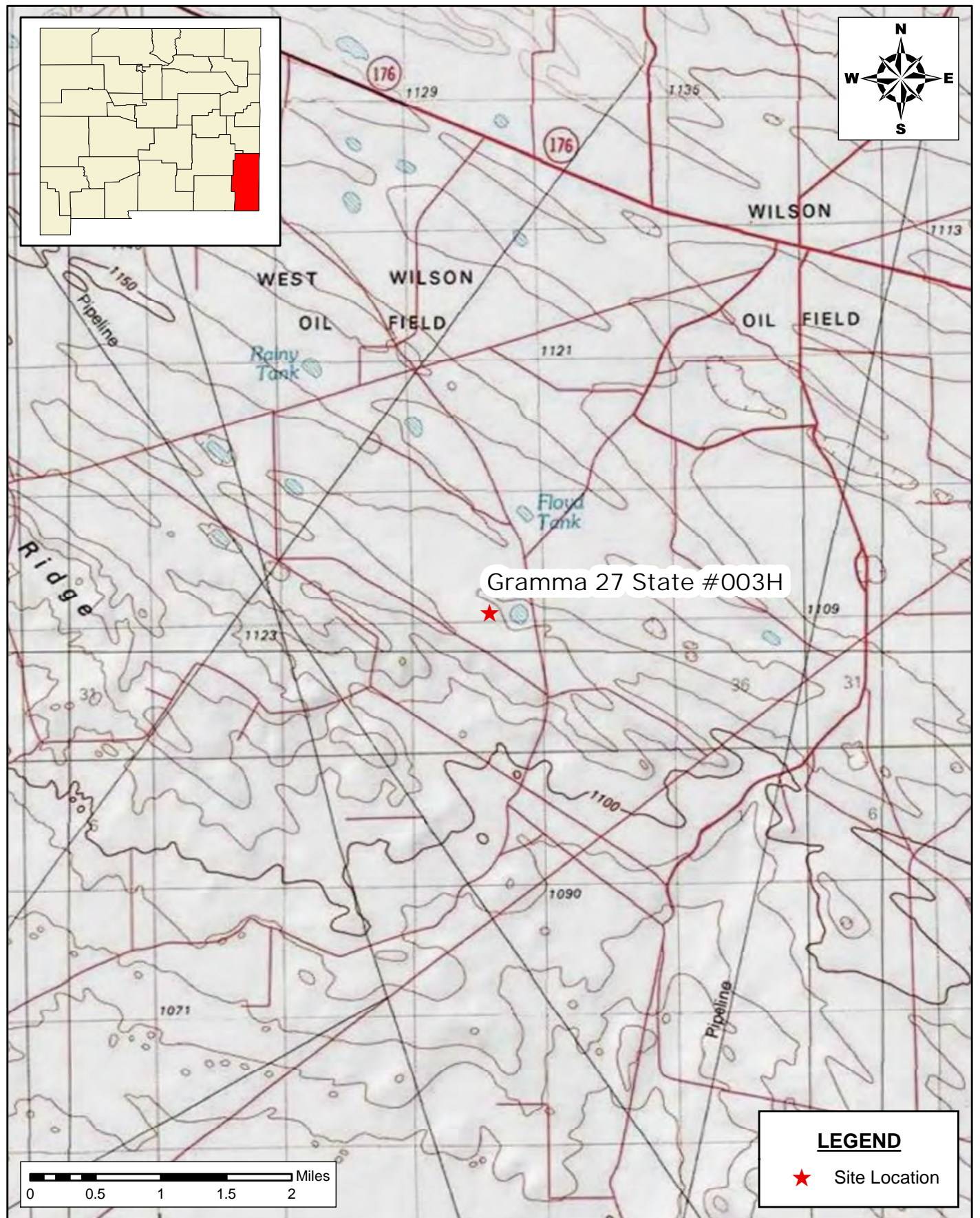
Figures

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\CAZA\RSC\248172 - Gramma 27 State #003H\7 - Figures\GIS\Figure_1_SL.mxd



<p>SITE LOCATION MAP DEFERRAL REQUEST REPORT CAZA OPERATING, LLC GRAMMA 27 STATE #003H LEA COUNTY, NEW MEXICO 32.443707, -103.456195</p>	<p> New Tech Global Environmental, LLC 911 Regional Park Drive Houston, Texas 77060 T - 281.872.9300 F - 281.872.4521 Web: www.ntgenviroinmental.com</p>	<p>NOTES: 1. Base Image: ESRI Maps & Data 2013 2. Map Projection: NAD 1983</p>	<p>DRAWING NUMBER: FIGURE 1 SHEET NUMBER: 1 of 1</p>
<p>SCALE: As Shown Date: 1/28/2025 PROJECT #:248172</p>			

Document Path: C:\Users\ntg\Documents\New Tech Global\NTGE - Projects\2024 PROJECTS\CAZARSCO\248172 - Gramma 27 State #003H\7 - Figures\GIS\Figure_1_SL.mxd



TOPOGRAPHIC MAP
DEFERRAL REQUEST REPORT
CAZA OPERATING, LLC
GRAMMA 27 STATE #003H
LEA COUNTY, NEW MEXICO
32.443707, -103.456195

SCALE: As Shown Date: 1/28/2025 PROJECT #:248172

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

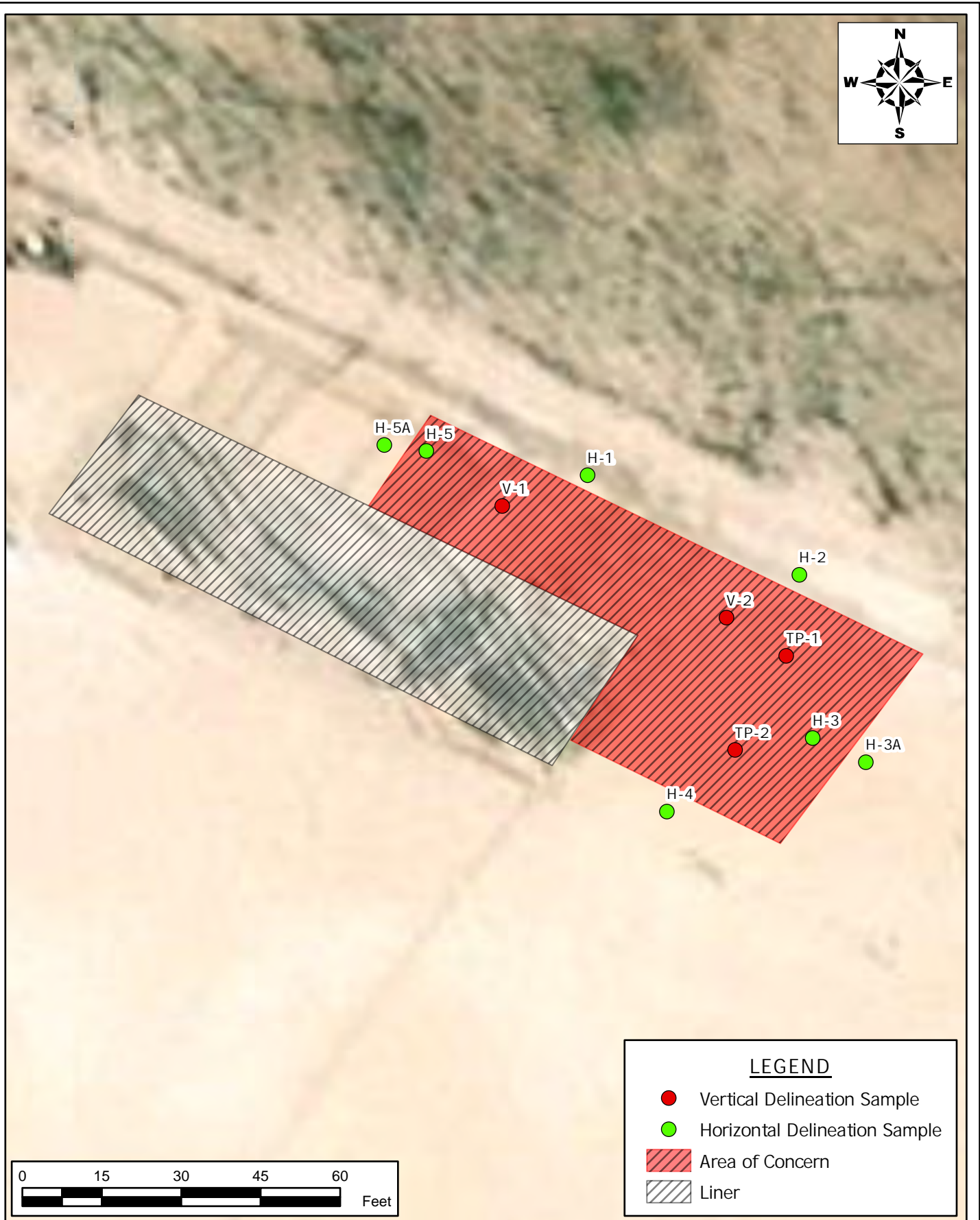
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FIGURE 2

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntg\gis\New Tech Global\NTGE - Documents\NTGE - Projects\2024 PROJECTS\CAZAR\SC248172 - Gramma 27 State #003H\7 - Figures\GIS\Figure_3_DelineationMap_01232025.aprx



**DELINEATION SAMPLE MAP
DEFERRAL REQUEST REPORT
CAZA OPERATING, LLC
GRAMMA 27 STATE #003H
LEA COUNTY, NEW MEXICO
32.443707, -103.456195**

SCALE: As Shown

Date: 1/28/2025

PROJECT #: 248172



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

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

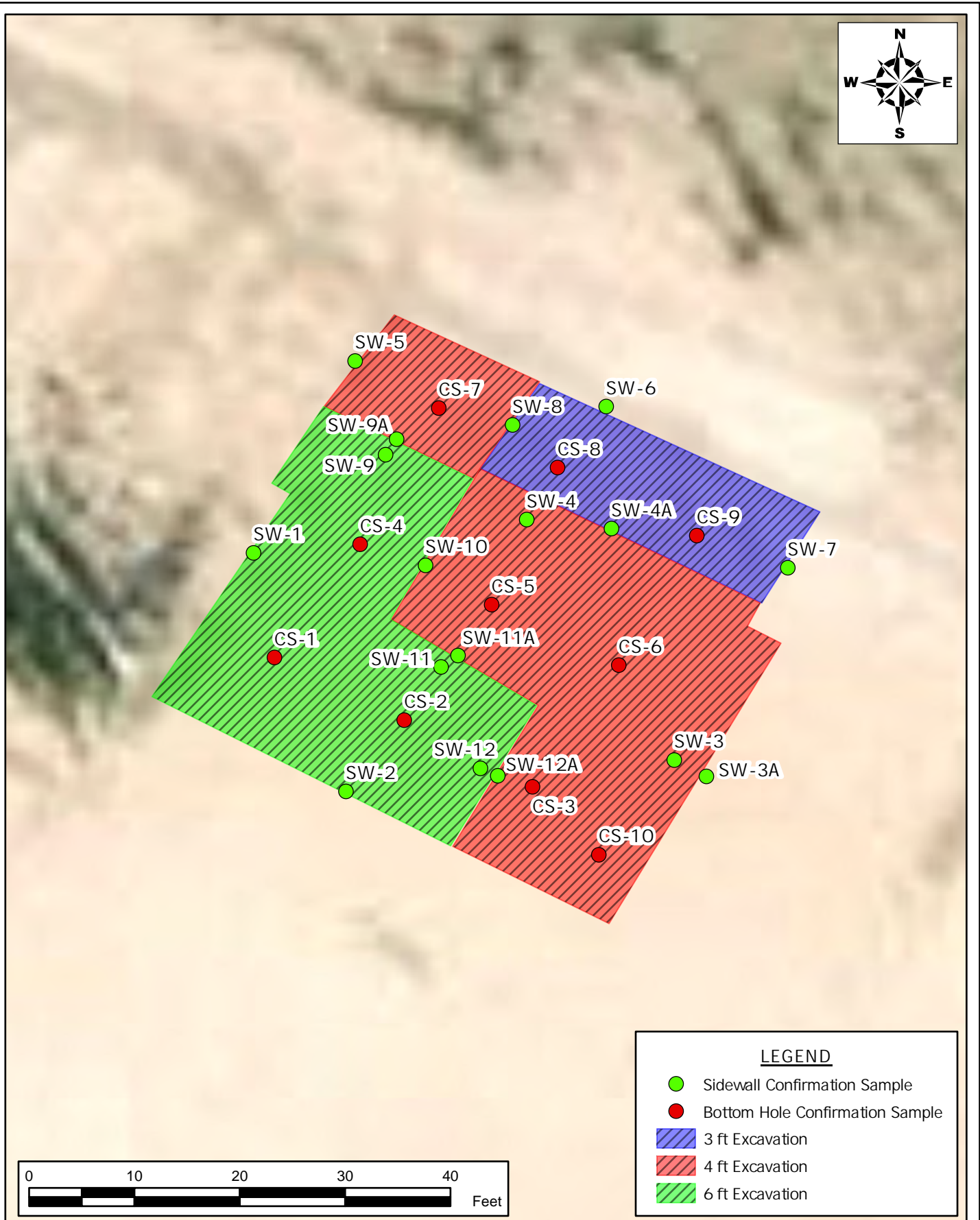
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FIGURE 3

SHEET NUMBER:

1 of 1

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**CONFIRMATION SAMPLE MAP
DEFERRAL REQUEST REPORT
CAZA OPERATING, LLC
GRAMMA 27 STATE #003H
LEA COUNTY, NEW MEXICO
32.443707, -103.456195**

SCALE: As Shown

Date: 1/28/2025

PROJECT #: 248172



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

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

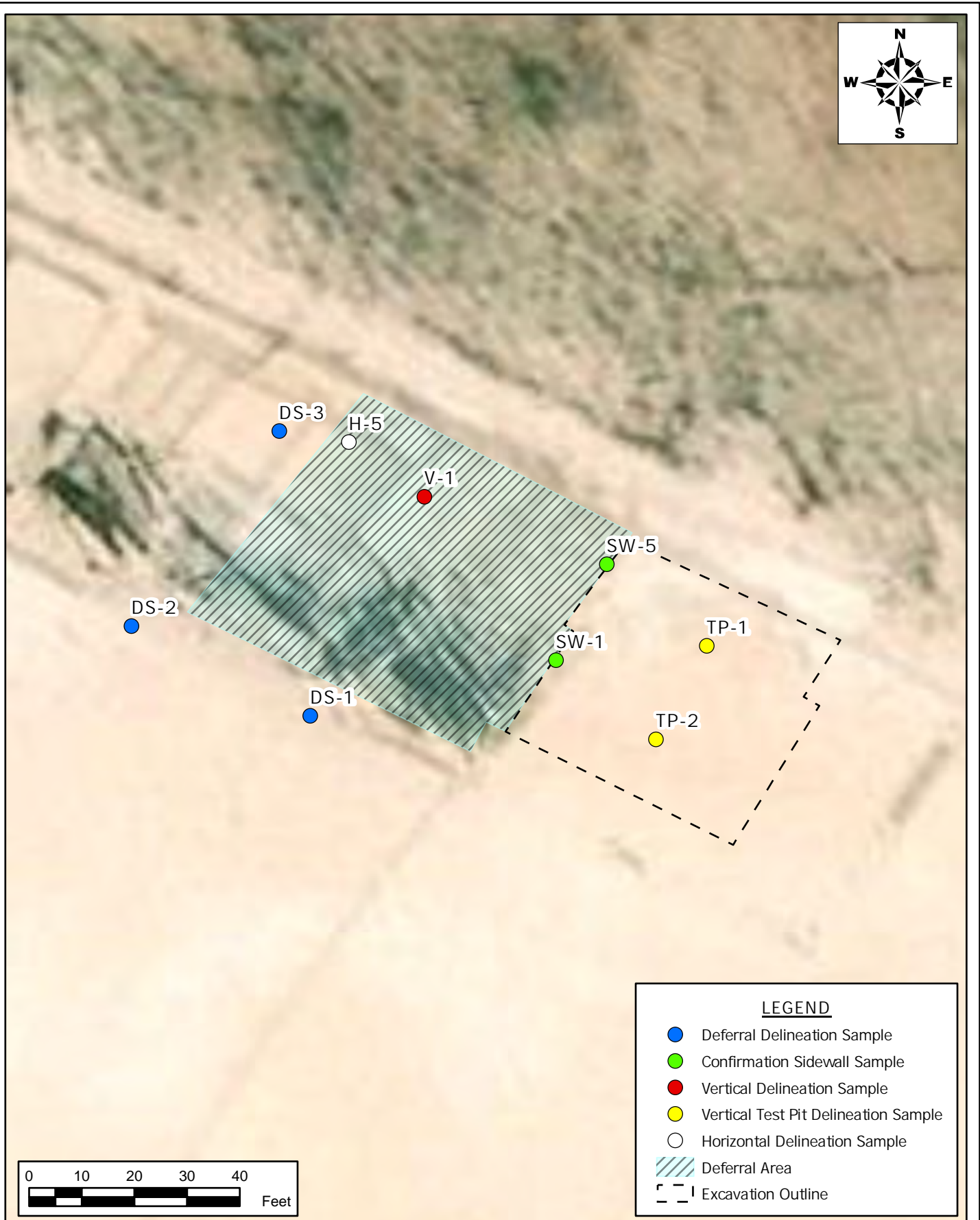
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FIGURE 4

SHEET NUMBER:

1 of 1

Document Path: C:\Users\ntg\gis\Desktop\Geodatabase\Figure_5_DeferralMap_01282025.aprx



DEFERRAL SAMPLE MAP
DEFERRAL REQUEST REPORT
CAZA OPERATING, LLC
 GRAMMA 27 STATE #003H
 LEA COUNTY, NEW MEXICO
 32.443707, -103.456195

SCALE: As Shown

Date: 1/28/2025

PROJECT #: 248172



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

NOTES:

1. Base Image: ESRI Maps & Data 2013
2. Map Projection: NAD 1983 UTM Zone 13N

DRAWING NUMBER:

FIGURE 5

SHEET NUMBER:

1 of 1

Photographic Log

PHOTOGRAPHIC LOG

Caza Operating, LLC.

Photograph No. 1

Facility: Gramma 27 State #003H

County: Lea County, New Mexico

Description:
Initial Assessment



Photograph No. 2

Facility: Gramma 27 State #003H

County: Lea County, New Mexico

Description:
Initial Assessment



Photograph No. 3

Facility: Gramma 27 State #003H

County: Lea County, New Mexico

Description:
Initial Assessment



PHOTOGRAPHIC LOG**Caza Operating, LLC.****Photograph No. 4****Facility:** Gramma 27 State #003H**County:** Lea County, New Mexico**Description:**

Initial Assessment

**Photograph No. 5****Facility:** Gramma 27 State #003H**County:** Lea County, New Mexico**Description:**

Initial Assessment

**Photograph No. 6****Facility:** Gramma 27 State #003H**County:** Lea County, New Mexico**Description:**

Initial Assessment



PHOTOGRAPHIC LOG

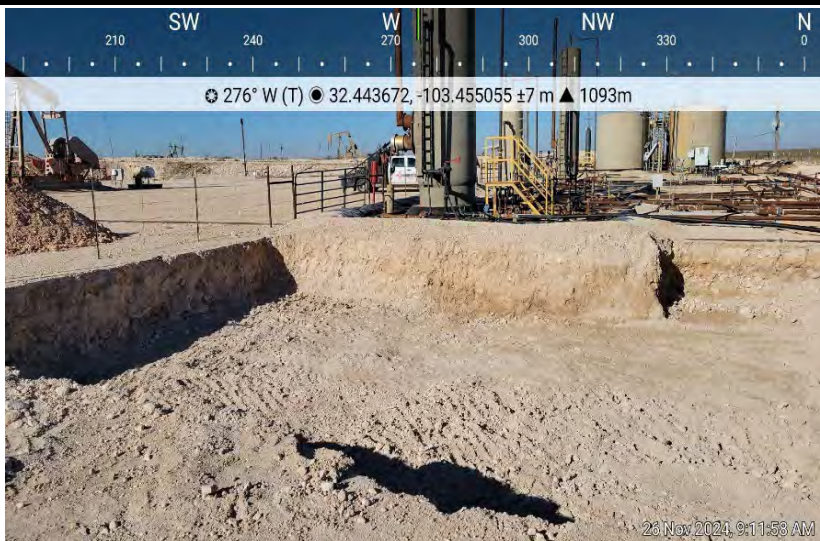
Caza Operating, LLC.

Photograph No. 7

Facility: Gramma 27 State #003H

County: Lea County, New Mexico

Description:
Confirmation Sampling



Photograph No. 8

Facility: Gramma 27 State #003H

County: Lea County, New Mexico

Description:
Confirmation Sampling

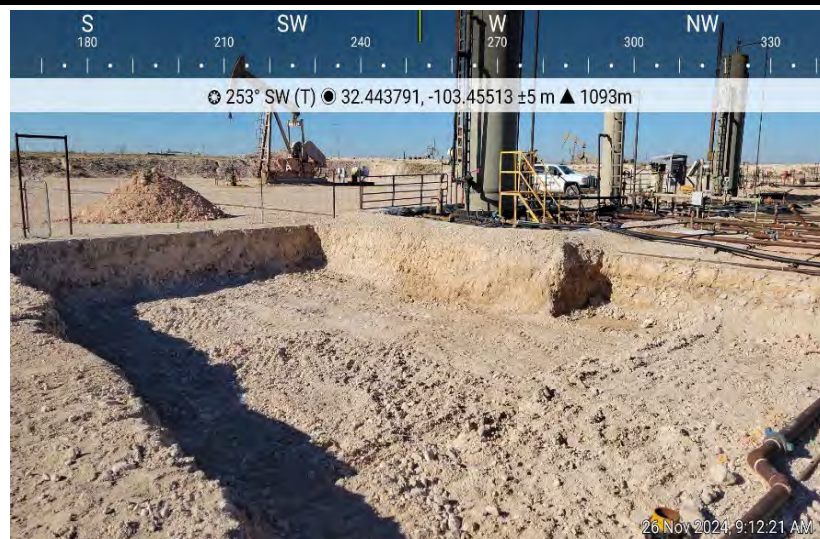


Photograph No. 9

Facility: Gramma 27 State #003H

County: Lea County, New Mexico

Description:
Confirmation Sampling



PHOTOGRAPHIC LOG**Caza Operating, LLC.****Photograph No. 10****Facility:** Gramma 27 State #003H**County:** Lea County, New Mexico**Description:**
Confirmation Sampling**Photograph No. 11****Facility:** Gramma 27 State #003H**County:** Lea County, New Mexico**Description:**
Confirmation Sampling**Photograph No. 12****Facility:** Gramma 27 State #003H**County:** Lea County, New Mexico**Description:**
Confirmation Sampling

Laboratory Reports and Chain-of-Custody



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

January 30, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMMA 27

Enclosed are the results of analyses for samples received by the laboratory on 01/25/24 15:05.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2024
 Reported: 01/30/2024
 Project Name: GRAMMA 27
 Project Number: NONE GIVEN
 Project Location: CAZA - LEA CO

Sampling Date: 01/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 1 0-6" (H240350-01)

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	01/26/2024	ND	2.08	104	2.00	5.24	
Toluene*	<0.050	0.050	01/26/2024	ND	2.10	105	2.00	5.36	
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.10	105	2.00	5.43	
Total Xylenes*	<0.150	0.150	01/26/2024	ND	6.41	107	6.00	5.00	
Total BTEx	<0.300	0.300	01/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/26/2024	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	01/26/2024	ND	228	114	200	7.49	
DRO >C10-C28*	<10.0	10.0	01/26/2024	ND	228	114	200	9.51	
EXT DRO >C28-C36	<10.0	10.0	01/26/2024	ND					

Surrogate: 1-Chlorooctane 99.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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

Received: 01/25/2024
 Reported: 01/30/2024
 Project Name: GRAMMA 27
 Project Number: NONE GIVEN
 Project Location: CAZA - LEA CO

Sampling Date: 01/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 2 0-6" (H240350-02)

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	01/26/2024	ND	2.08	104	2.00	5.24		
Toluene*	<0.050	0.050	01/26/2024	ND	2.10	105	2.00	5.36		
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	2.10	105	2.00	5.43		
Total Xylenes*	<0.150	0.150	01/26/2024	ND	6.41	107	6.00	5.00		
Total BTEX	<0.300	0.300	01/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	01/26/2024	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	01/26/2024	ND	228	114	200	7.49	
DRO >C10-C28*	47.8	10.0	01/26/2024	ND	228	114	200	9.51	
EXT DRO >C28-C36	13.7	10.0	01/26/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 49.1-148

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

Received: 01/25/2024
 Reported: 01/30/2024
 Project Name: GRAMMA 27
 Project Number: NONE GIVEN
 Project Location: CAZA - LEA CO

Sampling Date: 01/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 3 0-6" (H240350-03)

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	01/26/2024	ND	1.96	97.9	2.00	6.16		
Toluene*	<0.050	0.050	01/26/2024	ND	1.97	98.3	2.00	7.51		
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	1.97	98.7	2.00	7.36		
Total Xylenes*	<0.150	0.150	01/26/2024	ND	5.87	97.9	6.00	7.41		
Total BTEX	<0.300	0.300	01/26/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	01/26/2024	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	01/26/2024	ND	189	94.5	200	2.69	
DRO >C10-C28*	340	10.0	01/26/2024	ND	172	86.1	200	6.64	
EXT DRO >C28-C36	139	10.0	01/26/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 144 % 49.1-148

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

Received: 01/25/2024
 Reported: 01/30/2024
 Project Name: GRAMMA 27
 Project Number: NONE GIVEN
 Project Location: CAZA - LEA CO

Sampling Date: 01/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 0-6" (H240350-04)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	01/26/2024	ND	1.96	97.9	2.00	6.16	
Toluene*	13.1	0.500	01/26/2024	ND	1.97	98.3	2.00	7.51	
Ethylbenzene*	10.3	0.500	01/26/2024	ND	1.97	98.7	2.00	7.36	
Total Xylenes*	71.6	1.50	01/26/2024	ND	5.87	97.9	6.00	7.41	
Total BTEX	95.0	3.00	01/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 130 % 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	6560	16.0	01/26/2024	ND	448	112	400	7.41		
TPH 8015M		mg/kg		Analyzed By: MS						S-06
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	2130	100	01/29/2024	ND	189	94.5	200	2.69		
DRO >C10-C28*	9890	100	01/29/2024	ND	172	86.1	200	6.64		
EXT DRO >C28-C36	1140	100	01/29/2024	ND						

Surrogate: 1-Chlorooctane 503 % 48.2-134

Surrogate: 1-Chlorooctadecane 201 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 01/25/2024
 Reported: 01/30/2024
 Project Name: GRAMMA 27
 Project Number: NONE GIVEN
 Project Location: CAZA - LEA CO

Sampling Date: 01/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 1-1.5' (H240350-05)

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	01/26/2024	ND	1.96	97.9	2.00	6.16		
Toluene*	<0.050	0.050	01/26/2024	ND	1.97	98.3	2.00	7.51		
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	1.97	98.7	2.00	7.36		
Total Xylenes*	<0.150	0.150	01/26/2024	ND	5.87	97.9	6.00	7.41		
Total BTEX	<0.300	0.300	01/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 119 % 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	4320	16.0	01/26/2024	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	01/29/2024	ND	189	94.5	200	2.69	
DRO >C10-C28*	57.1	10.0	01/29/2024	ND	172	86.1	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/25/2024
 Reported: 01/30/2024
 Project Name: GRAMMA 27
 Project Number: NONE GIVEN
 Project Location: CAZA - LEA CO

Sampling Date: 01/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 1 2-2.5' (H240350-06)

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	01/26/2024	ND	1.96	97.9	2.00	6.16		
Toluene*	<0.050	0.050	01/26/2024	ND	1.97	98.3	2.00	7.51		
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	1.97	98.7	2.00	7.36		
Total Xylenes*	0.521	0.150	01/26/2024	ND	5.87	97.9	6.00	7.41		
Total BTEX	0.521	0.300	01/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 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	1580	16.0	01/26/2024	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*	36.2	10.0	01/26/2024	ND	189	94.5	200	2.69	
DRO >C10-C28*	602	10.0	01/26/2024	ND	172	86.1	200	6.64	
EXT DRO >C28-C36	75.1	10.0	01/26/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/25/2024
 Reported: 01/30/2024
 Project Name: GRAMMA 27
 Project Number: NONE GIVEN
 Project Location: CAZA - LEA CO

Sampling Date: 01/25/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: V - 2 0-6" (H240350-07)

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	01/26/2024	ND	1.96	97.9	2.00	6.16		
Toluene*	<0.050	0.050	01/26/2024	ND	1.97	98.3	2.00	7.51		
Ethylbenzene*	<0.050	0.050	01/26/2024	ND	1.97	98.7	2.00	7.36		
Total Xylenes*	<0.150	0.150	01/26/2024	ND	5.87	97.9	6.00	7.41		
Total BTEX	<0.300	0.300	01/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 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	13000	16.0	01/26/2024	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	01/26/2024	ND	189	94.5	200	2.69	
DRO >C10-C28*	27.1	10.0	01/26/2024	ND	172	86.1	200	6.64	
EXT DRO >C28-C36	<10.0	10.0	01/26/2024	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

S-06	The recovery of this surrogate is outside control limits due to sample dilution required from high analyte concentration and/or matrix interference's.
S-04	The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

(575) 393-2326 FAX (575) 393-2476		BILL TO		ANALYSIS REQUEST											
Company Name: N+L E				P.O. #:											
Project Manager: Ethin Serrums				Company:											
Address: 209 W McKay				Attn:											
City: Carlisle		State: NM Zip: 88220		Address:											
Phone #: 254-266-5456		Fax #:		City:											
Project #:		Project Owner: CAZA		State: Zip:											
Project Name: Gramma 27				Phone #:											
Project Location: Lea County				Fax #:											
Sampler Name: Tyler Winkler															
FOR LAB USE ONLY			MATRIX	PRESERV.	SAMPLING										
Lab I.D.	Sample I.D.	(G/RAB OR C) COMP. # CONTAINERS	GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :	ACID/BASE: ICE / COOL OTHER :	DATE	TIME	PH	Chlorides	BTEX						
H240350	I-1 0-6"	6	X		1-25	11:00									
1	I-2 0-6"														
2	I-3 0-6"														
3	V-1 0-6"														
4	V-1 1-1.5'														
5	V-1 2-2.5'														
6	V-2 0-6"														
7															

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Relinquished By: _____ Date: 1-25-24 Received By: _____ Time: 3:05 PM		Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No Add'l Phone #: _____	
Relinquished By: _____ Date: _____ Received By: _____ Time: _____		All Results are emailed. Please provide Email address: _____	
Delivered By: (Circle One) <input type="radio"/> UPS <input type="radio"/> Bus <input type="radio"/> Other: _____ Observed Temp. °C = -2.0 Corrected Temp. °C = _____		REMARKS: _____	
		Turnaround Time: Standard Rush <input checked="" type="checkbox"/> Thermometer ID #140 Correction Factor 0°C Bacteria (only) Sample Condition Cool Intact Observed Temp. °C <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No Corrected Temp. °C	

Please email changes to celey.keene@cardinallabsnm.com



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

February 05, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMMA 27 STATE #003H

Enclosed are the results of analyses for samples received by the laboratory on 01/31/24 11:15.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/31/2024	Sampling Date:	01/31/2024
Reported:	02/05/2024	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Tamara Oldaker
Project Location:	LEA CO		

Sample ID: H - 3A (0-.5') (H240431-01)

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	01/31/2024	ND	2.08	104	2.00	2.77	
Toluene*	<0.050	0.050	01/31/2024	ND	2.20	110	2.00	0.612	
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.33	117	2.00	2.38	
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.03	117	6.00	3.16	
Total BTX	<0.300	0.300	01/31/2024	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	80.0	16.0	01/31/2024	ND	432	108	400	0.00	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	17.8	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane 110 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 49.1-148

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



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Analytical Results For:

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

Received: 01/31/2024
 Reported: 02/05/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: LEA CO

Sampling Date: 01/31/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 4 (0-.5') (H240431-02)

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	01/31/2024	ND	2.08	104	2.00	2.77		
Toluene*	<0.050	0.050	01/31/2024	ND	2.20	110	2.00	0.612		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.33	117	2.00	2.38		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.03	117	6.00	3.16		
Total BTEx	<0.300	0.300	01/31/2024	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	96.0	16.0	01/31/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 108 % 49.1-148

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



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Analytical Results For:

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

Received: 01/31/2024
 Reported: 02/05/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: LEA CO

Sampling Date: 01/31/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: H - 5 (0-.5') (H240431-03)

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	01/31/2024	ND	2.08	104	2.00	2.77		
Toluene*	<0.050	0.050	01/31/2024	ND	2.20	110	2.00	0.612		
Ethylbenzene*	<0.050	0.050	01/31/2024	ND	2.33	117	2.00	2.38		
Total Xylenes*	<0.150	0.150	01/31/2024	ND	7.03	117	6.00	3.16		
Total BTEX	<0.300	0.300	01/31/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 107 % 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	768	16.0	01/31/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/31/2024	ND	216	108	200	0.704	
DRO >C10-C28*	<10.0	10.0	01/31/2024	ND	207	103	200	1.60	
EXT DRO >C28-C36	<10.0	10.0	01/31/2024	ND					

Surrogate: 1-Chlorooctane 98.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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



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Notes and Definitions

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

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

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



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTB Environmental Project Manager: Ethan Sessums Address: 209 W McKay Street City: Carlsbad State: NM Zip: 88220 Phone #: (254) 266-5456 Fax #: Project #: 248172 Project Owner: Project Name: Gramma 27 State #003H Project Location: Lea Co., NM Sampler Name: Jill Smiley				BILL TO P.O. #: Company: NTB Environmental Attn: Ethan Sessums Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST																	
FOR LAB USE ONLY Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP. # CONTAINERS		MATRIX GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER:				PRESERV. ACID/BASE: ICE / COOL OTHER:		SAMPLING DATE TIME		BTEX TPH Chloride											
H240431 1		H-3A (0-.5')		1						1/31/24		10:00		1											
2		H-4 (0-.5')		1								10:05		1											
3		H-5 (0-.5')		1								10:10		1											

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Relinquished By: <i>[Signature]</i>		Date: 11/31/24	Received By: <i>[Signature]</i>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #:	
Relinquished By:		Time: 11:15	Received By:		All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	Received By:		REMARKS:	
Relinquished By:		Time:	Received By:		REMARKS:	
Delivered By: (Circle One)		Observed Temp. °C 6.3	Sample Condition Cool Intact		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C	CHECKED BY: (Initials) <i>[Signature]</i>		Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
					<input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No <input type="checkbox"/> No Corrected Temp. °C	
					Thermometer ID #140 Correction Factor 0°C	

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



Environment Testing

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ANALYTICAL REPORT

PREPARED FOR

Attn: Kellan Smith
NT Global

701 Tradewinds Blvd
Midland, Texas 79706

Generated 11/5/2024 10:51:10 AM

JOB DESCRIPTION

Gamma 27 State #003H
248172

JOB NUMBER

890-7322-1

Eurofins Carlsbad
1089 N Canal St.
Carlsbad NM 88220

Eurofins Carlsbad

Job Notes

This report may not be reproduced except in full, and with written approval from the laboratory. The results relate only to the samples tested. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

Analytical test results meet all requirements of the associated regulatory program (i.e., NELAC (TNI), DoD, and ISO 17025) unless otherwise noted under the individual analysis.

Authorization



Generated
11/5/2024 10:51:10 AM

Authorized for release by
Jessica Kramer, Project Manager
Jessica.Kramer@et.eurofinsus.com
(432)704-5440

Client: NT Global
Project/Site: Gramma 27 State #003H

Laboratory Job ID: 890-7322-1
SDG: 248172

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Definitions/Glossary

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Qualifiers

GC VOA

Qualifier	Qualifier Description
F1	MS and/or MSD recovery exceeds control limits.
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

GC Semi VOA

Qualifier	Qualifier Description
S1+	Surrogate recovery exceeds control limits, high biased.
U	Indicates the analyte was analyzed for but not detected.

HPLC/IC

Qualifier	Qualifier Description
U	Indicates the analyte was analyzed for but not detected.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
☼	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CFL	Contains Free Liquid
CFU	Colony Forming Unit
CNF	Contains No Free Liquid
DER	Duplicate Error Ratio (normalized absolute difference)
Dil Fac	Dilution Factor
DL	Detection Limit (DoD/DOE)
DL, RA, RE, IN	Indicates a Dilution, Re-analysis, Re-extraction, or additional Initial metals/anion analysis of the sample
DLC	Decision Level Concentration (Radiochemistry)
EDL	Estimated Detection Limit (Dioxin)
LOD	Limit of Detection (DoD/DOE)
LOQ	Limit of Quantitation (DoD/DOE)
MCL	EPA recommended "Maximum Contaminant Level"
MDA	Minimum Detectable Activity (Radiochemistry)
MDC	Minimum Detectable Concentration (Radiochemistry)
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
MPN	Most Probable Number
MQL	Method Quantitation Limit
NC	Not Calculated
ND	Not Detected at the reporting limit (or MDL or EDL if shown)
NEG	Negative / Absent
POS	Positive / Present
PQL	Practical Quantitation Limit
PRES	Presumptive
QC	Quality Control
RER	Relative Error Ratio (Radiochemistry)
RL	Reporting Limit or Requested Limit (Radiochemistry)
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)
TNTC	Too Numerous To Count

Case Narrative

Client: NT Global
Project: Gramma 27 State #003H

Job ID: 890-7322-1

Job ID: 890-7322-1

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Job Narrative 890-7322-1

Analytical test results meet all requirements of the associated regulatory program listed on the Accreditation/Certification Summary Page unless otherwise noted under the individual analysis. Data qualifiers and/or narrative comments are included to explain any exceptions, if applicable.

- Matrix QC may not be reported if insufficient sample is provided or site-specific QC samples were not submitted. In these situations, to demonstrate precision and accuracy at a batch level, a LCS/LCSD may be performed, unless otherwise specified in the method.
- Surrogate and/or isotope dilution analyte recoveries (if applicable) which are outside of the QC window are confirmed unless attributed to a dilution or otherwise noted in the narrative.

Regulated compliance samples (e.g. SDWA, NPDES) must comply with the associated agency requirements/permits.

Receipt

The samples were received on 10/30/2024 4:35 PM. Unless otherwise noted below, the samples arrived in good condition, and, where required, properly preserved and on ice. The temperature of the cooler at receipt time was 0.0°C.

Receipt Exceptions

The following samples were received and analyzed from an unpreserved bulk soil jar: TP - 1 (890-7322-1), TP - 1 (890-7322-2), TP - 1 (890-7322-3), TP - 1 (890-7322-4), TP - 1 (890-7322-5), TP - 2 (890-7322-6), TP - 2 (890-7322-7), TP - 2 (890-7322-8), TP - 2 (890-7322-9) and TP - 2 (890-7322-10).

GC VOA

Method 8021B: The matrix spike (MS) recoveries for preparation batch 880-94586 and analytical batch 880-94577 were outside control limits. Non-homogeneity is suspected because the associated laboratory control sample (LCS) recovery was within acceptance limits.

Method 8021B: The surrogate recovery for the blank associated with preparation batch 880-94586 and analytical batch 880-94577 was outside the upper control limits.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

Diesel Range Organics

Method 8015MOD_NM: The surrogate recovery for the blank associated with preparation batch 880-94643 and analytical batch 880-94752 was outside the upper control limits.

Method 8015MOD_NM: An incorrect volume of surrogate spiking solution was inadvertently added the following samples: (LCS 880-94643/2-A) and (LCSD 880-94643/3-A). Percent recoveries are based on the amount spiked.

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

HPLC/IC

No additional analytical or quality issues were noted, other than those described above or in the Definitions/ Glossary page.

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Client Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 1

Lab Sample ID: 890-7322-1

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 12:10	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 12:10	1
Ethylbenzene	<0.00200	U F1	0.00200		mg/Kg		11/01/24 09:42	11/01/24 12:10	1
m-Xylene & p-Xylene	<0.00401	U	0.00401		mg/Kg		11/01/24 09:42	11/01/24 12:10	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 12:10	1
Xylenes, Total	<0.00401	U	0.00401		mg/Kg		11/01/24 09:42	11/01/24 12:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	83		70 - 130	11/01/24 09:42	11/01/24 12:10	1
1,4-Difluorobenzene (Surr)	110		70 - 130	11/01/24 09:42	11/01/24 12:10	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00401	U	0.00401		mg/Kg			11/01/24 12:10	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.4	U	50.4		mg/Kg			11/04/24 19:56	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.4	U	50.4		mg/Kg		11/01/24 15:33	11/04/24 19:56	1
Diesel Range Organics (Over C10-C28)	<50.4	U	50.4		mg/Kg		11/01/24 15:33	11/04/24 19:56	1
Oil Range Organics (Over C28-C36)	<50.4	U	50.4		mg/Kg		11/01/24 15:33	11/04/24 19:56	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	117		70 - 130	11/01/24 15:33	11/04/24 19:56	1
o-Terphenyl	106		70 - 130	11/01/24 15:33	11/04/24 19:56	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	314		9.92		mg/Kg			11/04/24 11:06	1

Client Sample ID: TP - 1

Lab Sample ID: 890-7322-2

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 12:31	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 12:31	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 12:31	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/01/24 09:42	11/01/24 12:31	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 12:31	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/01/24 09:42	11/01/24 12:31	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	104		70 - 130	11/01/24 09:42	11/01/24 12:31	1

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Client Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 1

Lab Sample ID: 890-7322-2

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	108		70 - 130	11/01/24 09:42	11/01/24 12:31	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/24 12:31	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.5	U	50.5		mg/Kg			11/04/24 20:13	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.5	U	50.5		mg/Kg		11/01/24 15:33	11/04/24 20:13	1
Diesel Range Organics (Over C10-C28)	<50.5	U	50.5		mg/Kg		11/01/24 15:33	11/04/24 20:13	1
Oil Range Organics (Over C28-C36)	<50.5	U	50.5		mg/Kg		11/01/24 15:33	11/04/24 20:13	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	125		70 - 130				11/01/24 15:33	11/04/24 20:13	1
o-Terphenyl	112		70 - 130				11/01/24 15:33	11/04/24 20:13	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	249		9.92		mg/Kg			11/04/24 11:11	1

Client Sample ID: TP - 1

Lab Sample ID: 890-7322-3

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 12:51	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 12:51	1
Ethylbenzene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 12:51	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/01/24 09:42	11/01/24 12:51	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 12:51	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/01/24 09:42	11/01/24 12:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	103		70 - 130				11/01/24 09:42	11/01/24 12:51	1
1,4-Difluorobenzene (Surr)	110		70 - 130				11/01/24 09:42	11/01/24 12:51	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/24 12:51	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.9	U	49.9		mg/Kg			11/04/24 20:29	1

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Client Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 1

Lab Sample ID: 890-7322-3

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 5'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.9	U	49.9		mg/Kg		11/01/24 15:33	11/04/24 20:29	1
Diesel Range Organics (Over C10-C28)	<49.9	U	49.9		mg/Kg		11/01/24 15:33	11/04/24 20:29	1
Oil Range Organics (Over C28-C36)	<49.9	U	49.9		mg/Kg		11/01/24 15:33	11/04/24 20:29	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	118		70 - 130				11/01/24 15:33	11/04/24 20:29	1
o-Terphenyl	106		70 - 130				11/01/24 15:33	11/04/24 20:29	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	475		9.96		mg/Kg			11/04/24 11:25	1

Client Sample ID: TP - 1

Lab Sample ID: 890-7322-4

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 6'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 13:12	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 13:12	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 13:12	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/01/24 09:42	11/01/24 13:12	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 13:12	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/01/24 09:42	11/01/24 13:12	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	110		70 - 130				11/01/24 09:42	11/01/24 13:12	1
1,4-Difluorobenzene (Surr)	114		70 - 130				11/01/24 09:42	11/01/24 13:12	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/24 13:12	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/04/24 20:46	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/01/24 15:33	11/04/24 20:46	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/01/24 15:33	11/04/24 20:46	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/01/24 15:33	11/04/24 20:46	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130				11/01/24 15:33	11/04/24 20:46	1
o-Terphenyl	98		70 - 130				11/01/24 15:33	11/04/24 20:46	1

Eurofins Carlsbad

Client Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 1

Lab Sample ID: 890-7322-4

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 6'

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	291		10.1		mg/Kg			11/04/24 11:30	1

Client Sample ID: TP - 2

Lab Sample ID: 890-7322-6

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 3'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00204	U	0.00204		mg/Kg		11/01/24 09:42	11/01/24 13:32	1
Toluene	<0.00204	U	0.00204		mg/Kg		11/01/24 09:42	11/01/24 13:32	1
Ethylbenzene	<0.00204	U	0.00204		mg/Kg		11/01/24 09:42	11/01/24 13:32	1
m-Xylene & p-Xylene	<0.00407	U	0.00407		mg/Kg		11/01/24 09:42	11/01/24 13:32	1
o-Xylene	<0.00204	U	0.00204		mg/Kg		11/01/24 09:42	11/01/24 13:32	1
Xylenes, Total	<0.00407	U	0.00407		mg/Kg		11/01/24 09:42	11/01/24 13:32	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	119		70 - 130				11/01/24 09:42	11/01/24 13:32	1
1,4-Difluorobenzene (Surr)	121		70 - 130				11/01/24 09:42	11/01/24 13:32	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00407	U	0.00407		mg/Kg			11/01/24 13:32	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.7	U	49.7		mg/Kg			11/04/24 21:02	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.7	U	49.7		mg/Kg		11/01/24 15:33	11/04/24 21:02	1
Diesel Range Organics (Over C10-C28)	<49.7	U	49.7		mg/Kg		11/01/24 15:33	11/04/24 21:02	1
Oil Range Organics (Over C28-C36)	<49.7	U	49.7		mg/Kg		11/01/24 15:33	11/04/24 21:02	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	121		70 - 130				11/01/24 15:33	11/04/24 21:02	1
o-Terphenyl	109		70 - 130				11/01/24 15:33	11/04/24 21:02	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	883		9.96		mg/Kg			11/04/24 11:45	1

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Client Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 2

Lab Sample ID: 890-7322-7

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 4'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00198	U	0.00198		mg/Kg		11/01/24 09:42	11/01/24 13:53	1
Toluene	<0.00198	U	0.00198		mg/Kg		11/01/24 09:42	11/01/24 13:53	1
Ethylbenzene	<0.00198	U	0.00198		mg/Kg		11/01/24 09:42	11/01/24 13:53	1
m-Xylene & p-Xylene	<0.00396	U	0.00396		mg/Kg		11/01/24 09:42	11/01/24 13:53	1
o-Xylene	<0.00198	U	0.00198		mg/Kg		11/01/24 09:42	11/01/24 13:53	1
Xylenes, Total	<0.00396	U	0.00396		mg/Kg		11/01/24 09:42	11/01/24 13:53	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	113		70 - 130	11/01/24 09:42	11/01/24 13:53	1
1,4-Difluorobenzene (Surr)	117		70 - 130	11/01/24 09:42	11/01/24 13:53	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00396	U	0.00396		mg/Kg			11/01/24 13:53	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<49.6	U	49.6		mg/Kg			11/04/24 21:19	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<49.6	U	49.6		mg/Kg		11/01/24 15:33	11/04/24 21:19	1
Diesel Range Organics (Over C10-C28)	<49.6	U	49.6		mg/Kg		11/01/24 15:33	11/04/24 21:19	1
Oil Range Organics (Over C28-C36)	<49.6	U	49.6		mg/Kg		11/01/24 15:33	11/04/24 21:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	109		70 - 130	11/01/24 15:33	11/04/24 21:19	1
o-Terphenyl	100		70 - 130	11/01/24 15:33	11/04/24 21:19	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	387		9.94		mg/Kg			11/04/24 11:50	1

Client Sample ID: TP - 2

Lab Sample ID: 890-7322-8

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 14:13	1
Toluene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 14:13	1
Ethylbenzene	0.00273		0.00199		mg/Kg		11/01/24 09:42	11/01/24 14:13	1
m-Xylene & p-Xylene	<0.00398	U	0.00398		mg/Kg		11/01/24 09:42	11/01/24 14:13	1
o-Xylene	<0.00199	U	0.00199		mg/Kg		11/01/24 09:42	11/01/24 14:13	1
Xylenes, Total	<0.00398	U	0.00398		mg/Kg		11/01/24 09:42	11/01/24 14:13	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	121		70 - 130	11/01/24 09:42	11/01/24 14:13	1

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Client Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 2

Lab Sample ID: 890-7322-8

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 5'

Method: SW846 8021B - Volatile Organic Compounds (GC) (Continued)

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
1,4-Difluorobenzene (Surr)	127		70 - 130	11/01/24 09:42	11/01/24 14:13	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00398	U	0.00398		mg/Kg			11/01/24 14:13	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.3	U	50.3		mg/Kg			11/04/24 21:35	1

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.3	U	50.3		mg/Kg		11/01/24 15:33	11/04/24 21:35	1
Diesel Range Organics (Over C10-C28)	<50.3	U	50.3		mg/Kg		11/01/24 15:33	11/04/24 21:35	1
Oil Range Organics (Over C28-C36)	<50.3	U	50.3		mg/Kg		11/01/24 15:33	11/04/24 21:35	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	116		70 - 130				11/01/24 15:33	11/04/24 21:35	1
o-Terphenyl	104		70 - 130				11/01/24 15:33	11/04/24 21:35	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	498		9.90		mg/Kg			11/04/24 11:54	1

Client Sample ID: TP - 2

Lab Sample ID: 890-7322-9

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 6'

Method: SW846 8021B - Volatile Organic Compounds (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 17:05	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 17:05	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 17:05	1
m-Xylene & p-Xylene	<0.00399	U	0.00399		mg/Kg		11/01/24 09:42	11/01/24 17:05	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 17:05	1
Xylenes, Total	<0.00399	U	0.00399		mg/Kg		11/01/24 09:42	11/01/24 17:05	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
4-Bromofluorobenzene (Surr)	84		70 - 130	11/01/24 09:42	11/01/24 17:05	1
1,4-Difluorobenzene (Surr)	108		70 - 130	11/01/24 09:42	11/01/24 17:05	1

Method: TAL SOP Total BTEX - Total BTEX Calculation

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total BTEX	<0.00399	U	0.00399		mg/Kg			11/01/24 17:05	1

Method: SW846 8015 NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Total TPH	<50.2	U	50.2		mg/Kg			11/04/24 21:51	1

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Client Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 2

Lab Sample ID: 890-7322-9

Date Collected: 10/30/24 00:00

Matrix: Solid

Date Received: 10/30/24 16:35

Sample Depth: 6'

Method: SW846 8015B NM - Diesel Range Organics (DRO) (GC)

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.2	U	50.2		mg/Kg		11/01/24 15:33	11/04/24 21:51	1
Diesel Range Organics (Over C10-C28)	<50.2	U	50.2		mg/Kg		11/01/24 15:33	11/04/24 21:51	1
Oil Range Organics (Over C28-C36)	<50.2	U	50.2		mg/Kg		11/01/24 15:33	11/04/24 21:51	1
Surrogate	%Recovery	Qualifier	Limits				Prepared	Analyzed	Dil Fac
1-Chlorooctane	108		70 - 130				11/01/24 15:33	11/04/24 21:51	1
o-Terphenyl	98		70 - 130				11/01/24 15:33	11/04/24 21:51	1

Method: EPA 300.0 - Anions, Ion Chromatography - Soluble

Analyte	Result	Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	454		10.1		mg/Kg			11/04/24 11:59	1

Surrogate Summary

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Method: 8021B - Volatile Organic Compounds (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	BFB1 (70-130)	DFBZ1 (70-130)
890-7322-1	TP - 1	83	110
890-7322-1 MS	TP - 1	105	104
890-7322-1 MSD	TP - 1	115	111
890-7322-2	TP - 1	104	108
890-7322-3	TP - 1	103	110
890-7322-4	TP - 1	110	114
890-7322-6	TP - 2	119	121
890-7322-7	TP - 2	113	117
890-7322-8	TP - 2	121	127
890-7322-9	TP - 2	84	108
LCS 880-94586/1-A	Lab Control Sample	101	96
LCSD 880-94586/2-A	Lab Control Sample Dup	101	100
MB 880-94586/5-A	Method Blank	172 S1+	119
Surrogate Legend			
BFB = 4-Bromofluorobenzene (Surr)			
DFBZ = 1,4-Difluorobenzene (Surr)			

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Matrix: Solid

Prep Type: Total/NA

		Percent Surrogate Recovery (Acceptance Limits)	
Lab Sample ID	Client Sample ID	1CO1 (70-130)	OTPH1 (70-130)
880-50550-A-21-E MS	Matrix Spike	108	107
880-50550-A-21-F MSD	Matrix Spike Duplicate	108	107
890-7322-1	TP - 1	117	106
890-7322-2	TP - 1	125	112
890-7322-3	TP - 1	118	106
890-7322-4	TP - 1	109	98
890-7322-6	TP - 2	121	109
890-7322-7	TP - 2	109	100
890-7322-8	TP - 2	116	104
890-7322-9	TP - 2	108	98
LCS 880-94643/2-A	Lab Control Sample	180 S1+	184 S1+
LCSD 880-94643/3-A	Lab Control Sample Dup	184 S1+	183 S1+
MB 880-94643/1-A	Method Blank	91	205 S1+
Surrogate Legend			
1CO = 1-Chlorooctane			
OTPH = o-Terphenyl			

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QC Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Method: 8021B - Volatile Organic Compounds (GC)

Lab Sample ID: MB 880-94586/5-A

Matrix: Solid

Analysis Batch: 94577

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94586

Analyte	MB MB		RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
	Result	Qualifier							
Benzene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 11:42	1
Toluene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 11:42	1
Ethylbenzene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 11:42	1
m-Xylene & p-Xylene	<0.00400	U	0.00400		mg/Kg		11/01/24 09:42	11/01/24 11:42	1
o-Xylene	<0.00200	U	0.00200		mg/Kg		11/01/24 09:42	11/01/24 11:42	1
Xylenes, Total	<0.00400	U	0.00400		mg/Kg		11/01/24 09:42	11/01/24 11:42	1

Surrogate	MB MB		Limits	Prepared	Analyzed	Dil Fac
	%Recovery	Qualifier				
4-Bromofluorobenzene (Surr)	172	S1+	70 - 130	11/01/24 09:42	11/01/24 11:42	1
1,4-Difluorobenzene (Surr)	119		70 - 130	11/01/24 09:42	11/01/24 11:42	1

Lab Sample ID: LCS 880-94586/1-A

Matrix: Solid

Analysis Batch: 94577

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94586

Analyte	Spike Added	LCS LCS		Unit	D	%Rec	%Rec Limits
		Result	Qualifier				
Benzene	0.100	0.09367		mg/Kg		94	70 - 130
Toluene	0.100	0.09476		mg/Kg		95	70 - 130
Ethylbenzene	0.100	0.09034		mg/Kg		90	70 - 130
m-Xylene & p-Xylene	0.200	0.1905		mg/Kg		95	70 - 130
o-Xylene	0.100	0.1076		mg/Kg		108	70 - 130

Surrogate	LCS LCS		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	96		70 - 130

Lab Sample ID: LCSD 880-94586/2-A

Matrix: Solid

Analysis Batch: 94577

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94586

Analyte	Spike Added	LCSD LCSD		Unit	D	%Rec	%Rec Limits	RPD	
		Result	Qualifier					RPD	Limit
Benzene	0.100	0.09730		mg/Kg		97	70 - 130	4	35
Toluene	0.100	0.09175		mg/Kg		92	70 - 130	3	35
Ethylbenzene	0.100	0.07368		mg/Kg		74	70 - 130	20	35
m-Xylene & p-Xylene	0.200	0.1688		mg/Kg		84	70 - 130	12	35
o-Xylene	0.100	0.09450		mg/Kg		94	70 - 130	13	35

Surrogate	LCSD LCSD		Limits
	%Recovery	Qualifier	
4-Bromofluorobenzene (Surr)	101		70 - 130
1,4-Difluorobenzene (Surr)	100		70 - 130

Lab Sample ID: 890-7322-1 MS

Matrix: Solid

Analysis Batch: 94577

Client Sample ID: TP - 1

Prep Type: Total/NA

Prep Batch: 94586

Analyte	Sample Sample		Spike Added	MS MS		Unit	D	%Rec	%Rec Limits
	Result	Qualifier		Result	Qualifier				
Benzene	<0.00200	U	0.100	0.07767		mg/Kg		78	70 - 130
Toluene	<0.00200	U	0.100	0.07663		mg/Kg		77	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Method: 8021B - Volatile Organic Compounds (GC) (Continued)

Lab Sample ID: 890-7322-1 MS

Matrix: Solid

Analysis Batch: 94577

Client Sample ID: TP - 1

Prep Type: Total/NA

Prep Batch: 94586

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Ethylbenzene	<0.00200	U F1	0.100	0.06561	F1	mg/Kg		66	70 - 130
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1607		mg/Kg		79	70 - 130
o-Xylene	<0.00200	U	0.100	0.09296		mg/Kg		93	70 - 130

Surrogate	MS %Recovery	MS Qualifier	Limits
4-Bromofluorobenzene (Surr)	105		70 - 130
1,4-Difluorobenzene (Surr)	104		70 - 130

Lab Sample ID: 890-7322-1 MSD

Matrix: Solid

Analysis Batch: 94577

Client Sample ID: TP - 1

Prep Type: Total/NA

Prep Batch: 94586

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Benzene	<0.00200	U	0.100	0.1077		mg/Kg		108	70 - 130	32	35
Toluene	<0.00200	U	0.100	0.09321		mg/Kg		93	70 - 130	20	35
Ethylbenzene	<0.00200	U F1	0.100	0.08015		mg/Kg		80	70 - 130	20	35
m-Xylene & p-Xylene	<0.00401	U	0.200	0.1833		mg/Kg		90	70 - 130	13	35
o-Xylene	<0.00200	U	0.100	0.1122		mg/Kg		112	70 - 130	19	35

Surrogate	MSD %Recovery	MSD Qualifier	Limits
4-Bromofluorobenzene (Surr)	115		70 - 130
1,4-Difluorobenzene (Surr)	111		70 - 130

Method: 8015B NM - Diesel Range Organics (DRO) (GC)

Lab Sample ID: MB 880-94643/1-A

Matrix: Solid

Analysis Batch: 94752

Client Sample ID: Method Blank

Prep Type: Total/NA

Prep Batch: 94643

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Gasoline Range Organics (GRO)-C6-C10	<50.0	U	50.0		mg/Kg		11/01/24 15:33	11/04/24 09:42	1
Diesel Range Organics (Over C10-C28)	<50.0	U	50.0		mg/Kg		11/01/24 15:33	11/04/24 09:42	1
Oil Range Organics (Over C28-C36)	<50.0	U	50.0		mg/Kg		11/01/24 15:33	11/04/24 09:42	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
1-Chlorooctane	91		70 - 130	11/01/24 15:33	11/04/24 09:42	1
o-Terphenyl	205	S1+	70 - 130	11/01/24 15:33	11/04/24 09:42	1

Lab Sample ID: LCS 880-94643/2-A

Matrix: Solid

Analysis Batch: 94752

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94643

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	1000	1119		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	1000	1152		mg/Kg		115	70 - 130

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QC Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Method: 8015B NM - Diesel Range Organics (DRO) (GC) (Continued)

Lab Sample ID: LCS 880-94643/2-A

Matrix: Solid

Analysis Batch: 94752

Client Sample ID: Lab Control Sample

Prep Type: Total/NA

Prep Batch: 94643

	LCS	LCS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	180	S1+	70 - 130
o-Terphenyl	184	S1+	70 - 130

Lab Sample ID: LCSD 880-94643/3-A

Matrix: Solid

Analysis Batch: 94752

Client Sample ID: Lab Control Sample Dup

Prep Type: Total/NA

Prep Batch: 94643

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	1000	1175		mg/Kg		118	70 - 130	5	20
Diesel Range Organics (Over C10-C28)	1000	1166		mg/Kg		117	70 - 130	1	20

	LCSD	LCSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	184	S1+	70 - 130
o-Terphenyl	183	S1+	70 - 130

Lab Sample ID: 880-50550-A-21-E MS

Matrix: Solid

Analysis Batch: 94752

Client Sample ID: Matrix Spike

Prep Type: Total/NA

Prep Batch: 94643

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1126		mg/Kg		112	70 - 130
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1083		mg/Kg		107	70 - 130

	MS	MS	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	107		70 - 130

Lab Sample ID: 880-50550-A-21-F MSD

Matrix: Solid

Analysis Batch: 94752

Client Sample ID: Matrix Spike Duplicate

Prep Type: Total/NA

Prep Batch: 94643

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Gasoline Range Organics (GRO)-C6-C10	<50.1	U	1010	1119		mg/Kg		111	70 - 130	1	20
Diesel Range Organics (Over C10-C28)	<50.1	U	1010	1103		mg/Kg		109	70 - 130	2	20

	MSD	MSD	
Surrogate	%Recovery	Qualifier	Limits
1-Chlorooctane	108		70 - 130
o-Terphenyl	107		70 - 130

Eurofins Carlsbad

QC Sample Results

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Method: 300.0 - Anions, Ion Chromatography

Lab Sample ID: MB 880-94605/1-A

Matrix: Solid

Analysis Batch: 94727

Client Sample ID: Method Blank

Prep Type: Soluble

Analyte	MB Result	MB Qualifier	RL	MDL	Unit	D	Prepared	Analyzed	Dil Fac
Chloride	<10.0	U	10.0		mg/Kg			11/04/24 09:49	1

Lab Sample ID: LCS 880-94605/2-A

Matrix: Solid

Analysis Batch: 94727

Client Sample ID: Lab Control Sample

Prep Type: Soluble

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	250	246.2		mg/Kg		98	90 - 110

Lab Sample ID: LCSD 880-94605/3-A

Matrix: Solid

Analysis Batch: 94727

Client Sample ID: Lab Control Sample Dup

Prep Type: Soluble

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	250	260.3		mg/Kg		104	90 - 110	6	20

Lab Sample ID: 890-7322-2 MS

Matrix: Solid

Analysis Batch: 94727

Client Sample ID: TP - 1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec Limits
Chloride	249		248	505.7		mg/Kg		104	90 - 110

Lab Sample ID: 890-7322-2 MSD

Matrix: Solid

Analysis Batch: 94727

Client Sample ID: TP - 1

Prep Type: Soluble

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec Limits	RPD	RPD Limit
Chloride	249		248	511.1		mg/Kg		106	90 - 110	1	20

QC Association Summary

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

GC VOA

Analysis Batch: 94577

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-1	TP - 1	Total/NA	Solid	8021B	94586
890-7322-2	TP - 1	Total/NA	Solid	8021B	94586
890-7322-3	TP - 1	Total/NA	Solid	8021B	94586
890-7322-4	TP - 1	Total/NA	Solid	8021B	94586
890-7322-6	TP - 2	Total/NA	Solid	8021B	94586
890-7322-7	TP - 2	Total/NA	Solid	8021B	94586
890-7322-8	TP - 2	Total/NA	Solid	8021B	94586
890-7322-9	TP - 2	Total/NA	Solid	8021B	94586
MB 880-94586/5-A	Method Blank	Total/NA	Solid	8021B	94586
LCS 880-94586/1-A	Lab Control Sample	Total/NA	Solid	8021B	94586
LCSD 880-94586/2-A	Lab Control Sample Dup	Total/NA	Solid	8021B	94586
890-7322-1 MS	TP - 1	Total/NA	Solid	8021B	94586
890-7322-1 MSD	TP - 1	Total/NA	Solid	8021B	94586

Prep Batch: 94586

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-1	TP - 1	Total/NA	Solid	5035	
890-7322-2	TP - 1	Total/NA	Solid	5035	
890-7322-3	TP - 1	Total/NA	Solid	5035	
890-7322-4	TP - 1	Total/NA	Solid	5035	
890-7322-6	TP - 2	Total/NA	Solid	5035	
890-7322-7	TP - 2	Total/NA	Solid	5035	
890-7322-8	TP - 2	Total/NA	Solid	5035	
890-7322-9	TP - 2	Total/NA	Solid	5035	
MB 880-94586/5-A	Method Blank	Total/NA	Solid	5035	
LCS 880-94586/1-A	Lab Control Sample	Total/NA	Solid	5035	
LCSD 880-94586/2-A	Lab Control Sample Dup	Total/NA	Solid	5035	
890-7322-1 MS	TP - 1	Total/NA	Solid	5035	
890-7322-1 MSD	TP - 1	Total/NA	Solid	5035	

Analysis Batch: 94785

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-1	TP - 1	Total/NA	Solid	Total BTEX	
890-7322-2	TP - 1	Total/NA	Solid	Total BTEX	
890-7322-3	TP - 1	Total/NA	Solid	Total BTEX	
890-7322-4	TP - 1	Total/NA	Solid	Total BTEX	
890-7322-6	TP - 2	Total/NA	Solid	Total BTEX	
890-7322-7	TP - 2	Total/NA	Solid	Total BTEX	
890-7322-8	TP - 2	Total/NA	Solid	Total BTEX	
890-7322-9	TP - 2	Total/NA	Solid	Total BTEX	

GC Semi VOA

Prep Batch: 94643

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-1	TP - 1	Total/NA	Solid	8015NM Prep	
890-7322-2	TP - 1	Total/NA	Solid	8015NM Prep	
890-7322-3	TP - 1	Total/NA	Solid	8015NM Prep	
890-7322-4	TP - 1	Total/NA	Solid	8015NM Prep	
890-7322-6	TP - 2	Total/NA	Solid	8015NM Prep	
890-7322-7	TP - 2	Total/NA	Solid	8015NM Prep	

Eurofins Carlsbad

QC Association Summary

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

GC Semi VOA (Continued)

Prep Batch: 94643 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-8	TP - 2	Total/NA	Solid	8015NM Prep	
890-7322-9	TP - 2	Total/NA	Solid	8015NM Prep	
MB 880-94643/1-A	Method Blank	Total/NA	Solid	8015NM Prep	
LCS 880-94643/2-A	Lab Control Sample	Total/NA	Solid	8015NM Prep	
LCSD 880-94643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015NM Prep	
880-50550-A-21-E MS	Matrix Spike	Total/NA	Solid	8015NM Prep	
880-50550-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015NM Prep	

Analysis Batch: 94752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-1	TP - 1	Total/NA	Solid	8015B NM	94643
890-7322-2	TP - 1	Total/NA	Solid	8015B NM	94643
890-7322-3	TP - 1	Total/NA	Solid	8015B NM	94643
890-7322-4	TP - 1	Total/NA	Solid	8015B NM	94643
890-7322-6	TP - 2	Total/NA	Solid	8015B NM	94643
890-7322-7	TP - 2	Total/NA	Solid	8015B NM	94643
890-7322-8	TP - 2	Total/NA	Solid	8015B NM	94643
890-7322-9	TP - 2	Total/NA	Solid	8015B NM	94643
MB 880-94643/1-A	Method Blank	Total/NA	Solid	8015B NM	94643
LCS 880-94643/2-A	Lab Control Sample	Total/NA	Solid	8015B NM	94643
LCSD 880-94643/3-A	Lab Control Sample Dup	Total/NA	Solid	8015B NM	94643
880-50550-A-21-E MS	Matrix Spike	Total/NA	Solid	8015B NM	94643
880-50550-A-21-F MSD	Matrix Spike Duplicate	Total/NA	Solid	8015B NM	94643

Analysis Batch: 94921

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-1	TP - 1	Total/NA	Solid	8015 NM	
890-7322-2	TP - 1	Total/NA	Solid	8015 NM	
890-7322-3	TP - 1	Total/NA	Solid	8015 NM	
890-7322-4	TP - 1	Total/NA	Solid	8015 NM	
890-7322-6	TP - 2	Total/NA	Solid	8015 NM	
890-7322-7	TP - 2	Total/NA	Solid	8015 NM	
890-7322-8	TP - 2	Total/NA	Solid	8015 NM	
890-7322-9	TP - 2	Total/NA	Solid	8015 NM	

HPLC/IC

Leach Batch: 94605

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-1	TP - 1	Soluble	Solid	DI Leach	
890-7322-2	TP - 1	Soluble	Solid	DI Leach	
890-7322-3	TP - 1	Soluble	Solid	DI Leach	
890-7322-4	TP - 1	Soluble	Solid	DI Leach	
890-7322-6	TP - 2	Soluble	Solid	DI Leach	
890-7322-7	TP - 2	Soluble	Solid	DI Leach	
890-7322-8	TP - 2	Soluble	Solid	DI Leach	
890-7322-9	TP - 2	Soluble	Solid	DI Leach	
MB 880-94605/1-A	Method Blank	Soluble	Solid	DI Leach	
LCS 880-94605/2-A	Lab Control Sample	Soluble	Solid	DI Leach	
LCSD 880-94605/3-A	Lab Control Sample Dup	Soluble	Solid	DI Leach	
890-7322-2 MS	TP - 1	Soluble	Solid	DI Leach	

Eurofins Carlsbad

QC Association Summary

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

HPLC/IC (Continued)

Leach Batch: 94605 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-2 MSD	TP - 1	Soluble	Solid	DI Leach	

Analysis Batch: 94727

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
890-7322-1	TP - 1	Soluble	Solid	300.0	94605
890-7322-2	TP - 1	Soluble	Solid	300.0	94605
890-7322-3	TP - 1	Soluble	Solid	300.0	94605
890-7322-4	TP - 1	Soluble	Solid	300.0	94605
890-7322-6	TP - 2	Soluble	Solid	300.0	94605
890-7322-7	TP - 2	Soluble	Solid	300.0	94605
890-7322-8	TP - 2	Soluble	Solid	300.0	94605
890-7322-9	TP - 2	Soluble	Solid	300.0	94605
MB 880-94605/1-A	Method Blank	Soluble	Solid	300.0	94605
LCS 880-94605/2-A	Lab Control Sample	Soluble	Solid	300.0	94605
LCSD 880-94605/3-A	Lab Control Sample Dup	Soluble	Solid	300.0	94605
890-7322-2 MS	TP - 1	Soluble	Solid	300.0	94605
890-7322-2 MSD	TP - 1	Soluble	Solid	300.0	94605

Lab Chronicle

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 1
Date Collected: 10/30/24 00:00
Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-1
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.99 g	5 mL	94586	11/01/24 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94577	11/01/24 12:10	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94785	11/01/24 12:10	SM	EET MID
Total/NA	Analysis	8015 NM		1			94921	11/04/24 19:56	TKC	EET MID
Total/NA	Prep	8015NM Prep			9.92 g	10 mL	94643	11/01/24 15:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94752	11/04/24 19:56	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	94605	11/01/24 10:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94727	11/04/24 11:06	CH	EET MID

Client Sample ID: TP - 1
Date Collected: 10/30/24 00:00
Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-2
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	94586	11/01/24 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94577	11/01/24 12:31	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94785	11/01/24 12:31	SM	EET MID
Total/NA	Analysis	8015 NM		1			94921	11/04/24 20:13	TKC	EET MID
Total/NA	Prep	8015NM Prep			9.90 g	10 mL	94643	11/01/24 15:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94752	11/04/24 20:13	TKC	EET MID
Soluble	Leach	DI Leach			5.04 g	50 mL	94605	11/01/24 10:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94727	11/04/24 11:11	CH	EET MID

Client Sample ID: TP - 1
Date Collected: 10/30/24 00:00
Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-3
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.02 g	5 mL	94586	11/01/24 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94577	11/01/24 12:51	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94785	11/01/24 12:51	SM	EET MID
Total/NA	Analysis	8015 NM		1			94921	11/04/24 20:29	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.03 g	10 mL	94643	11/01/24 15:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94752	11/04/24 20:29	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	94605	11/01/24 10:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94727	11/04/24 11:25	CH	EET MID

Client Sample ID: TP - 1
Date Collected: 10/30/24 00:00
Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	94586	11/01/24 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94577	11/01/24 13:12	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94785	11/01/24 13:12	SM	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 1
Date Collected: 10/30/24 00:00
Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-4
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8015 NM		1			94921	11/04/24 20:46	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.06 g	10 mL	94643	11/01/24 15:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94752	11/04/24 20:46	TKC	EET MID
Soluble	Leach	DI Leach			4.96 g	50 mL	94605	11/01/24 10:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94727	11/04/24 11:30	CH	EET MID

Client Sample ID: TP - 2
Date Collected: 10/30/24 00:00
Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-6
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			4.91 g	5 mL	94586	11/01/24 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94577	11/01/24 13:32	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94785	11/01/24 13:32	SM	EET MID
Total/NA	Analysis	8015 NM		1			94921	11/04/24 21:02	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.07 g	10 mL	94643	11/01/24 15:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94752	11/04/24 21:02	TKC	EET MID
Soluble	Leach	DI Leach			5.02 g	50 mL	94605	11/01/24 10:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94727	11/04/24 11:45	CH	EET MID

Client Sample ID: TP - 2
Date Collected: 10/30/24 00:00
Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-7
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.05 g	5 mL	94586	11/01/24 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94577	11/01/24 13:53	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94785	11/01/24 13:53	SM	EET MID
Total/NA	Analysis	8015 NM		1			94921	11/04/24 21:19	TKC	EET MID
Total/NA	Prep	8015NM Prep			10.09 g	10 mL	94643	11/01/24 15:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94752	11/04/24 21:19	TKC	EET MID
Soluble	Leach	DI Leach			5.03 g	50 mL	94605	11/01/24 10:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94727	11/04/24 11:50	CH	EET MID

Client Sample ID: TP - 2
Date Collected: 10/30/24 00:00
Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-8
Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.03 g	5 mL	94586	11/01/24 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94577	11/01/24 14:13	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94785	11/01/24 14:13	SM	EET MID
Total/NA	Analysis	8015 NM		1			94921	11/04/24 21:35	TKC	EET MID
Total/NA	Prep	8015NM Prep			9.94 g	10 mL	94643	11/01/24 15:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94752	11/04/24 21:35	TKC	EET MID

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Lab Chronicle

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Client Sample ID: TP - 2

Date Collected: 10/30/24 00:00

Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-8

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Soluble	Leach	DI Leach			5.05 g	50 mL	94605	11/01/24 10:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94727	11/04/24 11:54	CH	EET MID

Client Sample ID: TP - 2

Date Collected: 10/30/24 00:00

Date Received: 10/30/24 16:35

Lab Sample ID: 890-7322-9

Matrix: Solid

Prep Type	Batch Type	Batch Method	Run	Dil Factor	Initial Amount	Final Amount	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			5.01 g	5 mL	94586	11/01/24 09:42	MNR	EET MID
Total/NA	Analysis	8021B		1	5 mL	5 mL	94577	11/01/24 17:05	MNR	EET MID
Total/NA	Analysis	Total BTEX		1			94785	11/01/24 17:05	SM	EET MID
Total/NA	Analysis	8015 NM		1			94921	11/04/24 21:51	TKC	EET MID
Total/NA	Prep	8015NM Prep			9.96 g	10 mL	94643	11/01/24 15:33	TKC	EET MID
Total/NA	Analysis	8015B NM		1	1 uL	1 uL	94752	11/04/24 21:51	TKC	EET MID
Soluble	Leach	DI Leach			4.97 g	50 mL	94605	11/01/24 10:41	SA	EET MID
Soluble	Analysis	300.0		1	50 mL	50 mL	94727	11/04/24 11:59	CH	EET MID

Laboratory References:
EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Accreditation/Certification Summary

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Laboratory: Eurofins Midland

Unless otherwise noted, all analytes for this laboratory were covered under each accreditation/certification below.

Authority	Program	Identification Number	Expiration Date
Texas	NELAP	T104704400	06-30-25
The following analytes are included in this report, but the laboratory is not certified by the governing authority. This list may include analytes for which the agency does not offer certification.			
Analysis Method	Prep Method	Matrix	Analyte
8015 NM		Solid	Total TPH
Total BTEX		Solid	Total BTEX

Method Summary

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Method	Method Description	Protocol	Laboratory
8021B	Volatile Organic Compounds (GC)	SW846	EET MID
Total BTEX	Total BTEX Calculation	TAL SOP	EET MID
8015 NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
8015B NM	Diesel Range Organics (DRO) (GC)	SW846	EET MID
300.0	Anions, Ion Chromatography	EPA	EET MID
5035	Closed System Purge and Trap	SW846	EET MID
8015NM Prep	Microextraction	SW846	EET MID
DI Leach	Deionized Water Leaching Procedure	ASTM	EET MID

Protocol References:

- ASTM = ASTM International
- EPA = US Environmental Protection Agency
- SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.
- TAL SOP = TestAmerica Laboratories, Standard Operating Procedure

Laboratory References:

- EET MID = Eurofins Midland, 1211 W. Florida Ave, Midland, TX 79701, TEL (432)704-5440

Sample Summary

Client: NT Global
Project/Site: Gramma 27 State #003H

Job ID: 890-7322-1
SDG: 248172

Lab Sample ID	Client Sample ID	Matrix	Collected	Received	Depth
890-7322-1	TP - 1	Solid	10/30/24 00:00	10/30/24 16:35	3'
890-7322-2	TP - 1	Solid	10/30/24 00:00	10/30/24 16:35	4'
890-7322-3	TP - 1	Solid	10/30/24 00:00	10/30/24 16:35	5'
890-7322-4	TP - 1	Solid	10/30/24 00:00	10/30/24 16:35	6'
890-7322-6	TP - 2	Solid	10/30/24 00:00	10/30/24 16:35	3'
890-7322-7	TP - 2	Solid	10/30/24 00:00	10/30/24 16:35	4'
890-7322-8	TP - 2	Solid	10/30/24 00:00	10/30/24 16:35	5'
890-7322-9	TP - 2	Solid	10/30/24 00:00	10/30/24 16:35	6'

- 1
- 2
- 3
- 4
- 5
- 6
- 7
- 8
- 9
- 10
- 11
- 12
- 13
- 14

Chain of Custody

Work Order No: _____

11/5/2024



Page 1 of 1

Project Manager:	Kellan Smith	Bill to: (if different)	
Company Name:	NTG Environmental	Company Name:	
Address:	209 W McKay St	Address:	
City, State ZIP:	Carlsbad, NM 88220	City, State ZIP:	
Phone:	432-701-2159	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:		Grammar 27 State #003H		Turn Around		Pres. Code		ANALYSIS REQUEST												Preservative Codes									
Project Number:		248172		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Code														None: NO DI Water: H ₂ O									
Project Location		Eddy Co, NM		Due Date:																Cool: Cool MeOH: Me									
Sampler's Name:		Kellan Smith		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: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Wet Ice: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Parameters		890-7322 Chain of Custody												H ₃ PO ₄ : HP									
Received Intact:		<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID:		TMM														NaHSO ₄ : NABIS									
Cooler Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Correction Factor:		-0.2														Na ₂ S ₂ O ₃ : NaSO ₃									
Sample Custody Seals:		Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> N/A		Temperature Reading:		0.2														Zn Acetate+NaOH: Zn									
Total Containers:		10		Corrected Temperature:		0														NaOH+Ascorbic Acid: SAPC									
Sample Identification		Depth (ft bgs)		Date		Time		Soil		Water		Grab/Comp		# of Cont														Sample Comments	
TP-1		3'		10/30/2024				x				Grab		1		x x x													
TP-1		4'		10/30/2024				x				Grab		1		x x x													
TP-1		5'		10/30/2024				x				Grab		1		x x x													
TP-1		6'		10/30/2024				x				Grab		1		x x x													
TP-1		7'		10/30/2024				x				Grab		1		x x x												x	
TP-2		3'		10/30/2024				x				Grab		1		x x x													
TP-2		4'		10/30/2024				x				Grab		1		x x x													
TP-2		5'		10/30/2024				x				Grab		1		x x x													
TP-2		6'		10/30/2024				x				Grab		1		x x x													
TP-2		7'		10/30/2024				x				Grab		1		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	
1		2		10/30/1635		3		4			
3		4				5		6			
5		6									

Revised Date 05/10/2020 Rev 2020 1

Page 27 of 29

Released to Imaging: 5/20/2025 1:43:49 PM

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-7322-1

SDG Number: 248172

Login Number: 7322

List Number: 1

Creator: Bruns, Shannon

List Source: Eurofins Carlsbad

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	True	
Sample custody seals, if present, are intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	N/A	Refer to Job Narrative for details.
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

Login Sample Receipt Checklist

Client: NT Global

Job Number: 890-7322-1
SDG Number: 248172

Login Number: 7322
List Number: 2
Creator: Rios, Minerva

List Source: Eurofins Midland
List Creation: 11/01/24 09:46 AM

Question	Answer	Comment
The cooler's custody seal, if present, is intact.	N/A	
Sample custody seals, if present, are intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	
COC is present	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information	True	
Is the Field Sampler's name present on COC?	True	
There are no discrepancies between the containers received and the COC.	True	
Samples are received within Holding Time (excluding tests with immediate HTs)	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	N/A	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
Containers requiring zero headspace have no headspace or bubble is <6mm (1/4").	N/A	

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

January 28, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMMA 27 STATE #003H

Enclosed are the results of analyses for samples received by the laboratory on 11/26/24 11:59.

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/ga/lab_accred_certif.html.

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

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

Cardinal Laboratories is accredited through the State of New Mexico Environment Department for:

Method SM 9223-B	Total Coliform and E. coli (Colilert MMO-MUG)
Method EPA 524.2	Regulated VOCs and Total Trihalomethanes (TTHM)
Method EPA 552.2	Total Haloacetic Acids (HAA-5)

Accreditation applies to public drinking water matrices for State of Colorado and New Mexico.

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,

Celey D. Keene

Lab Director/Quality Manager



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

Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

Sample ID	Laboratory ID	Matrix	Date Sampled	Date Received
CS - 1 4'	H247251-01	Soil	26-Nov-24 00:00	26-Nov-24 11:59
CS - 2 4'	H247251-02	Soil	26-Nov-24 00:00	26-Nov-24 11:59
CS - 3 4'	H247251-03	Soil	26-Nov-24 00:00	26-Nov-24 11:59
CS - 4 4'	H247251-04	Soil	26-Nov-24 00:00	26-Nov-24 11:59
CS - 5 4'	H247251-05	Soil	26-Nov-24 00:00	26-Nov-24 11:59
CS - 6 4'	H247251-06	Soil	26-Nov-24 00:00	26-Nov-24 11:59
CS - 7 3'	H247251-07	Soil	26-Nov-24 00:00	26-Nov-24 11:59
CS - 8 3'	H247251-08	Soil	26-Nov-24 00:00	26-Nov-24 11:59
CS - 9 3'	H247251-09	Soil	26-Nov-24 00:00	26-Nov-24 11:59
SW - 1 0-4'	H247251-10	Soil	26-Nov-24 00:00	26-Nov-24 11:59
SW - 2 0-4'	H247251-11	Soil	26-Nov-24 00:00	26-Nov-24 11:59
SW - 3 0-4'	H247251-12	Soil	26-Nov-24 00:00	26-Nov-24 11:59
SW - 4 3-4'	H247251-13	Soil	26-Nov-24 00:00	26-Nov-24 11:59
SW - 5 0-3'	H247251-14	Soil	26-Nov-24 00:00	26-Nov-24 11:59
SW - 6 0-3'	H247251-15	Soil	26-Nov-24 00:00	26-Nov-24 11:59
SW - 7 0-3'	H247251-16	Soil	26-Nov-24 00:00	26-Nov-24 11:59

01/28/25 - Client changed the sample depths on -01 thru -09 (see COC). This is the revised report and will replace the one sent on 12/04/24.

Cardinal Laboratories

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

CS - 1 4'
H247251-01 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1300		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)		107 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4112705	MS	28-Nov-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4112705	MS	28-Nov-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4112705	MS	28-Nov-24	8015B	

Surrogate: 1-Chlorooctane		91.7 %		48.2-134	4112705	MS	28-Nov-24	8015B	
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Surrogate: 1-Chlorooctadecane		89.0 %		49.1-148	4112705	MS	28-Nov-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

CS - 2 4'
H247251-02 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	960		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			114 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112705	MS	28-Nov-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4112705	MS	28-Nov-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112705	MS	28-Nov-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.1 %		48.2-134	4112705	MS	28-Nov-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			76.1 %		49.1-148	4112705	MS	28-Nov-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

CS - 3 4'
H247251-03 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	576		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %		71.5-134	4112741	JH	30-Nov-24	8021B	
----------------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			56.7 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			51.5 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

CS - 4 4'
H247251-04 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1550		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %		71.5-134	4112741	JH	30-Nov-24	8021B	
----------------------------------------------	--	--	-------	--	----------	---------	----	-----------	-------	--

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			73.0 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			70.0 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

CS - 5 4'
H247251-05 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
---------	--------	-----	-----------------	-------	----------	-------	---------	----------	--------	-------

Cardinal Laboratories**Inorganic Compounds**

Chloride	416		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			115 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	42.6		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			62.1 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			61.4 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

CS - 6 4'
H247251-06 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	304		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			64.1 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			61.8 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

CS - 7 3'
H247251-07 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1470		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			104 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			75.2 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			77.8 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

CS - 8 3'
H247251-08 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	592		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			106 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	71.9		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			72.1 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.3 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

CS - 9 3'
H247251-09 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	208		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050	0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050	0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150	0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300	0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)	113 %	71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

Surrogate: 1-Chlorooctane	77.6 %	48.2-134	4112706	MS	02-Dec-24	8015B	
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Surrogate: 1-Chlorooctadecane	77.7 %	49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

SW - 1 0-4'
H247251-10 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	6400		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			107 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			83.3 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			83.7 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

SW - 2 0-4'
H247251-11 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	448		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050	0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B
Toluene*	<0.050	0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B
Ethylbenzene*	<0.050	0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B
Total Xylenes*	<0.150	0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B
Total BTEX	<0.300	0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B

Surrogate: 4-Bromofluorobenzene (PID)	104 %	71.5-134	4112741	JH	30-Nov-24	8021B
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0	10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B
DRO >C10-C28*	<10.0	10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B
EXT DRO >C28-C36	<10.0	10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B

Surrogate: 1-Chlorooctane	62.8 %	48.2-134	4112706	MS	02-Dec-24	8015B
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Surrogate: 1-Chlorooctadecane	61.1 %	49.1-148	4112706	MS	02-Dec-24	8015B
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

SW - 3 0-4'
H247251-12 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	688		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			113 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			79.1 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			79.2 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

SW - 4 3-4'
H247251-13 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	1200		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			109 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			67.5 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			67.3 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

SW - 5 0-3'
H247251-14 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	480		16.0	mg/kg	4	4120243	KV	02-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112741	JH	30-Nov-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112741	JH	30-Nov-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID)			109 %		71.5-134	4112741	JH	30-Nov-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	510		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	363		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

Surrogate: 1-Chlorooctane			78.3 %		48.2-134	4112706	MS	02-Dec-24	8015B	
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Surrogate: 1-Chlorooctadecane			91.3 %		49.1-148	4112706	MS	02-Dec-24	8015B	
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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
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

SW - 6 0-3'
H247251-15 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	64.0		16.0	mg/kg	4	4120231	AC	03-Dec-24	4500-Cl-B	QR-03
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112742	JH	02-Dec-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112742	JH	02-Dec-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112742	JH	02-Dec-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112742	JH	02-Dec-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112742	JH	02-Dec-24	8021B	

Surrogate: 4-Bromofluorobenzene (PID) 104 % 71.5-134 4112742 JH 02-Dec-24 8021B

Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	26.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

Surrogate: 1-Chlorooctane 70.0 % 48.2-134 4112706 MS 02-Dec-24 8015B

Surrogate: 1-Chlorooctadecane 73.5 % 49.1-148 4112706 MS 02-Dec-24 8015B

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

SW - 7 0-3'
H247251-16 (Soil)

Analyte	Result	MDL	Reporting Limit	Units	Dilution	Batch	Analyst	Analyzed	Method	Notes
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Cardinal Laboratories**Inorganic Compounds**

Chloride	224		16.0	mg/kg	4	4120231	AC	03-Dec-24	4500-Cl-B	
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Volatile Organic Compounds by EPA Method 8021

Benzene*	<0.050		0.050	mg/kg	50	4112742	JH	02-Dec-24	8021B	
Toluene*	<0.050		0.050	mg/kg	50	4112742	JH	02-Dec-24	8021B	
Ethylbenzene*	<0.050		0.050	mg/kg	50	4112742	JH	02-Dec-24	8021B	
Total Xylenes*	<0.150		0.150	mg/kg	50	4112742	JH	02-Dec-24	8021B	
Total BTEX	<0.300		0.300	mg/kg	50	4112742	JH	02-Dec-24	8021B	

<i>Surrogate: 4-Bromofluorobenzene (PID)</i>			105 %	71.5-134		4112742	JH	02-Dec-24	8021B	
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Petroleum Hydrocarbons by GC FID

GRO C6-C10*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
DRO >C10-C28*	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	
EXT DRO >C28-C36	<10.0		10.0	mg/kg	1	4112706	MS	02-Dec-24	8015B	

<i>Surrogate: 1-Chlorooctane</i>			70.7 %	48.2-134		4112706	MS	02-Dec-24	8015B	
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<i>Surrogate: 1-Chlorooctadecane</i>			73.8 %	49.1-148		4112706	MS	02-Dec-24	8015B	
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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

Inorganic Compounds - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4120231 - 1:4 DI Water**Blank (4120231-BLK1)**

Prepared & Analyzed: 02-Dec-24

Chloride	ND	16.0	mg/kg							
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LCS (4120231-BS1)

Prepared & Analyzed: 02-Dec-24

Chloride	432	16.0	mg/kg	400		108	80-120			
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LCS Dup (4120231-BSD1)

Prepared & Analyzed: 02-Dec-24

Chloride	416	16.0	mg/kg	400		104	80-120	3.77	20	
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Batch 4120243 - 1:4 DI Water**Blank (4120243-BLK1)**

Prepared & Analyzed: 02-Dec-24

Chloride	ND	16.0	mg/kg							
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LCS (4120243-BS1)

Prepared & Analyzed: 02-Dec-24

Chloride	416	16.0	mg/kg	400		104	80-120			
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LCS Dup (4120243-BSD1)

Prepared & Analyzed: 02-Dec-24

Chloride	432	16.0	mg/kg	400		108	80-120	3.77	20	
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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4112741 - Volatiles**Blank (4112741-BLK1)**

Prepared: 27-Nov-24 Analyzed: 30-Nov-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							
Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0544		mg/kg	0.0500		109	71.5-134			

LCS (4112741-BS1)

Prepared: 27-Nov-24 Analyzed: 30-Nov-24

Benzene	2.00	0.050	mg/kg	2.00		100	82.8-130			
Toluene	2.00	0.050	mg/kg	2.00		100	86-128			
Ethylbenzene	2.18	0.050	mg/kg	2.00		109	85.9-128			
m,p-Xylene	4.37	0.100	mg/kg	4.00		109	89-129			
o-Xylene	2.18	0.050	mg/kg	2.00		109	86.1-125			
Total Xylenes	6.56	0.150	mg/kg	6.00		109	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0532		mg/kg	0.0500		106	71.5-134			

LCS Dup (4112741-BSD1)

Prepared: 27-Nov-24 Analyzed: 30-Nov-24

Benzene	2.32	0.050	mg/kg	2.00		116	82.8-130	14.8	15.8	
Toluene	2.26	0.050	mg/kg	2.00		113	86-128	12.0	15.9	
Ethylbenzene	2.43	0.050	mg/kg	2.00		122	85.9-128	10.8	16	
m,p-Xylene	4.87	0.100	mg/kg	4.00		122	89-129	10.8	16.2	
o-Xylene	2.43	0.050	mg/kg	2.00		121	86.1-125	10.7	16.7	
Total Xylenes	7.30	0.150	mg/kg	6.00		122	88.2-128	10.8	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0521		mg/kg	0.0500		104	71.5-134			

Batch 4112742 - Volatiles**Blank (4112742-BLK1)**

Prepared: 27-Nov-24 Analyzed: 02-Dec-24

Benzene	ND	0.050	mg/kg							
Toluene	ND	0.050	mg/kg							
Ethylbenzene	ND	0.050	mg/kg							
Total Xylenes	ND	0.150	mg/kg							

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

Volatile Organic Compounds by EPA Method 8021 - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
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Batch 4112742 - Volatiles**Blank (4112742-BLK1)**

Prepared: 27-Nov-24 Analyzed: 02-Dec-24

Total BTEX	ND	0.300	mg/kg							
Surrogate: 4-Bromofluorobenzene (PID)	0.0515		mg/kg	0.0500		103	71.5-134			

Prepared: 27-Nov-24 Analyzed: 02-Dec-24										
Benzene	2.21	0.050	mg/kg	2.00		110	82.8-130			
Toluene	2.24	0.050	mg/kg	2.00		112	86-128			
Ethylbenzene	2.16	0.050	mg/kg	2.00		108	85.9-128			
m,p-Xylene	4.59	0.100	mg/kg	4.00		115	89-129			
o-Xylene	2.19	0.050	mg/kg	2.00		110	86.1-125			
Total Xylenes	6.78	0.150	mg/kg	6.00		113	88.2-128			
Surrogate: 4-Bromofluorobenzene (PID)	0.0508		mg/kg	0.0500		102	71.5-134			

LCS Dup (4112742-BSD1)

Prepared: 27-Nov-24 Analyzed: 02-Dec-24

Benzene	2.21	0.050	mg/kg	2.00		111	82.8-130	0.160	15.8	
Toluene	2.24	0.050	mg/kg	2.00		112	86-128	0.0723	15.9	
Ethylbenzene	2.17	0.050	mg/kg	2.00		109	85.9-128	0.562	16	
m,p-Xylene	4.59	0.100	mg/kg	4.00		115	89-129	0.0615	16.2	
o-Xylene	2.20	0.050	mg/kg	2.00		110	86.1-125	0.361	16.7	
Total Xylenes	6.79	0.150	mg/kg	6.00		113	88.2-128	0.0751	16.3	
Surrogate: 4-Bromofluorobenzene (PID)	0.0509		mg/kg	0.0500		102	71.5-134			

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4112705 - General Prep - Organics**Blank (4112705-BLK1)**

Prepared: 27-Nov-24 Analyzed: 28-Nov-24

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	57.6		mg/kg	50.0		115	48.2-134		
Surrogate: 1-Chlorooctadecane	56.8		mg/kg	50.0		114	49.1-148		

LCS (4112705-BS1)

Prepared: 27-Nov-24 Analyzed: 28-Nov-24

GRO C6-C10	204	10.0	mg/kg	200		102	81.5-123		
DRO >C10-C28	185	10.0	mg/kg	200		92.4	77.7-122		
Total TPH C6-C28	389	10.0	mg/kg	400		97.3	80.9-121		
Surrogate: 1-Chlorooctane	61.4		mg/kg	50.0		123	48.2-134		
Surrogate: 1-Chlorooctadecane	59.6		mg/kg	50.0		119	49.1-148		

LCS Dup (4112705-BS1)

Prepared: 27-Nov-24 Analyzed: 28-Nov-24

GRO C6-C10	197	10.0	mg/kg	200		98.4	81.5-123	3.74	13
DRO >C10-C28	174	10.0	mg/kg	200		87.2	77.7-122	5.78	15.6
Total TPH C6-C28	371	10.0	mg/kg	400		92.8	80.9-121	4.70	18.5
Surrogate: 1-Chlorooctane	63.5		mg/kg	50.0		127	48.2-134		
Surrogate: 1-Chlorooctadecane	61.0		mg/kg	50.0		122	49.1-148		

Batch 4112706 - General Prep - Organics**Blank (4112706-BLK1)**

Prepared: 27-Nov-24 Analyzed: 02-Dec-24

GRO C6-C10	ND	10.0	mg/kg						
DRO >C10-C28	ND	10.0	mg/kg						
EXT DRO >C28-C36	ND	10.0	mg/kg						
Surrogate: 1-Chlorooctane	51.0		mg/kg	50.0		102	48.2-134		
Surrogate: 1-Chlorooctadecane	48.7		mg/kg	50.0		97.5	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

NTG ENVIRONMENTAL
701 TRADEWINDS BLVD. SUITE C
MIDLAND TX, 79706

Project: GRAMMA 27 STATE #003H
Project Number: 248172
Project Manager: KELLAN SMITH
Fax To:

Reported:
28-Jan-25 14:21

Petroleum Hydrocarbons by GC FID - Quality Control**Cardinal Laboratories**

Analyte	Result	Reporting Limit	Units	Spike Level	Source Result	%REC Limits	RPD	RPD Limit	Notes
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Batch 4112706 - General Prep - Organics**LCS (4112706-BS1)**

Prepared: 27-Nov-24 Analyzed: 02-Dec-24

GRO C6-C10	185	10.0	mg/kg	200		92.6	81.5-123		
DRO >C10-C28	171	10.0	mg/kg	200		85.4	77.7-122		
Total TPH C6-C28	356	10.0	mg/kg	400		89.0	80.9-121		
Surrogate: 1-Chlorooctane	52.6		mg/kg	50.0		105	48.2-134		
Surrogate: 1-Chlorooctadecane	49.5		mg/kg	50.0		99.0	49.1-148		

LCS Dup (4112706-BS1)

Prepared: 27-Nov-24 Analyzed: 02-Dec-24

GRO C6-C10	194	10.0	mg/kg	200		96.8	81.5-123	4.44	13
DRO >C10-C28	180	10.0	mg/kg	200		90.2	77.7-122	5.54	15.6
Total TPH C6-C28	374	10.0	mg/kg	400		93.5	80.9-121	4.97	18.5
Surrogate: 1-Chlorooctane	53.5		mg/kg	50.0		107	48.2-134		
Surrogate: 1-Chlorooctadecane	49.3		mg/kg	50.0		98.7	49.1-148		

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "C. D. Keene", is written over a horizontal line.

Celey D. Keene, Lab Director/Quality Manager

Chain of Custody

Work Order No: H247251Page 2 of 2

Page 26 of 26

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:	(832) 374-0004	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:	Gramma 27 State #003H		Turn Around		ANALYSIS REQUEST												Preservative Codes					
Project Number:	248172		<input checked="" type="checkbox"/> Routine <input type="checkbox"/> Rush		Pres. Code													None: NO DI Water: H ₂ O				
Project Location	Eddy Co, NM		Due Date:		Parameters													Cool: Cool MeOH: Me				
Sampler's Name:			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				
																		H ₃ PO ₄ : HP				
SAMPLE RECEIPT				Temp Blank:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Wet Ice:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>	Thermometer ID:													NaHSO ₄ : NABIS	
Received Intact:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Correction Factor:														Na ₂ S ₂ O ₃ : NaSO ₃			
Cooler Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Temperature Reading:														Zn Acetate+NaOH: Zn			
Sample Custody Seals:	Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>		N/A		Corrected Temperature:														NaOH+Ascorbic Acid: SAPC			
Total Containers:	16																					
Sample Identification	Depth (ft bgs)	Date	Time	Soil	Water	Grab/Comp	# of Cont													Sample Comments		
SW-2	0-4'	11/26/2024		x		Comp	1	x	x	x											11	
SW-3	0-4'	11/26/2024		x		Comp	1	x	x	x											12	
SW-4	3-4'	11/26/2024		x		Comp	1	x	x	x											13	
SW-5	0-3'	11/26/2024		x		Comp	1	x	x	x											14	
SW-6	0-3'	11/26/2024		x		Comp	1	x	x	x											15	
SW-7	0-3'	11/26/2024		x		Comp	1	x	x	x											16	
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
		11/20/24 1159			



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

December 26, 2024

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMMA 27 STATE #003H

Enclosed are the results of analyses for samples received by the laboratory on 12/18/24 12:58.

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:	12/18/2024	Sampling Date:	12/18/2024
Reported:	12/26/2024	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Shalyn Rodriguez
Project Location:	EDDY CO., NM		

Sample ID: SW - 4 A (H247647-01)

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	12/18/2024	ND	1.60	79.8	2.00	0.117	
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594	
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228	
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717	
Total BTEX	<0.300	0.300	12/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 98.7 % 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	432	16.0	12/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	58.2	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	14.4	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 88.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 92.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 8 (H247647-02)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117	
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594	
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228	
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717	
Total BTEX	<0.300	0.300	12/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	12/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 121 % 48.2-134

Surrogate: 1-Chlorooctadecane 128 % 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: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 3 A (H247647-03)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117		
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594		
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228		
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717		
Total BTEX	<0.300	0.300	12/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	336	16.0	12/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	27.4	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 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: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 9 (H247647-04)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117		
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594		
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228		
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717		
Total BTEX	<0.300	0.300	12/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1220	16.0	12/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 10 (H247647-05)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117		
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594		
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228		
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717		
Total BTEX	<0.300	0.300	12/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	12/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 118 % 48.2-134

Surrogate: 1-Chlorooctadecane 122 % 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: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 11 (H247647-06)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117		
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594		
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228		
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717		
Total BTEx	<0.300	0.300	12/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.7 % 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	736	16.0	12/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: SW - 12 (H247647-07)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117		
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594		
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228		
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717		
Total BTEx	<0.300	0.300	12/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.5 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	896	16.0	12/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 7 (H247647-08)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117	
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594	
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228	
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717	
Total BTEX	<0.300	0.300	12/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	400	16.0	12/18/2024	ND	432	108	400	0.00	QM-07

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 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: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 4 (H247647-09)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117		
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594		
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228		
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717		
Total BTEX	<0.300	0.300	12/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	5120	16.0	12/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 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: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 1 (H247647-10)

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117	
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594	
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228	
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717	
Total BTEx	<0.300	0.300	12/18/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.6 % 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	608	16.0	12/18/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.6 % 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: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 2 (H247647-11)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117		
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594		
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228		
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717		
Total BTEX	<0.300	0.300	12/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 98.8 % 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	784	16.0	12/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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: 12/18/2024
 Reported: 12/26/2024
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: EDDY CO., NM

Sampling Date: 12/18/2024
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Shalyn Rodriguez

Sample ID: CS - 10 (H247647-12)

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	12/18/2024	ND	1.60	79.8	2.00	0.117		
Toluene*	<0.050	0.050	12/18/2024	ND	1.61	80.6	2.00	0.594		
Ethylbenzene*	<0.050	0.050	12/18/2024	ND	1.62	81.0	2.00	0.228		
Total Xylenes*	<0.150	0.150	12/18/2024	ND	4.87	81.2	6.00	0.717		
Total BTEX	<0.300	0.300	12/18/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 99.0 % 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	448	16.0	12/18/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	12/18/2024	ND	205	103	200	1.98	
DRO >C10-C28*	<10.0	10.0	12/18/2024	ND	198	98.8	200	0.463	
EXT DRO >C28-C36	<10.0	10.0	12/18/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>Nth Environmental</u>				BILL TO				ANALYSIS REQUEST																																	
Project Manager: <u>Kellan Smith</u>				P.O. #:																																					
Address: <u>13212 N MacArthur Blvd</u>				Company:																																					
City: <u>Oklahoma City, OK</u> State: <u>OK</u> Zip: <u>73142</u>				Attn:																																					
Phone #: <u>(832) 374-0004</u> Fax #:				Address:																																					
Project #: <u>248172</u> Project Owner: <u>Caza</u>				City:																																					
Project Name: <u>Granma 27 State #003H</u>				State: Zip:																																					
Project Location: <u>Eddy Co., NM</u>				Phone #:																																					
Sampler Name: <u>Jill Smiley</u>				Fax #:																																					
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER:		ACID/BASE:		ICE / COOL		OTHER:		DATE		TIME													
<u>H2471047</u>				<u>C1</u>		<u>1</u>		<u>S</u>																		<u>12/18/24</u>															
<u>1</u>		<u>SW-4A</u>																																							
<u>2</u>		<u>SW-8</u>																																							
<u>3</u>		<u>SW-3A</u>																																							
<u>4</u>		<u>SW-9</u>																																							
<u>5</u>		<u>SW-10</u>																																							
<u>6</u>		<u>SW-11</u>																																							
<u>7</u>		<u>SW-12</u>																																							
<u>8</u>		<u>CS-7</u>																																							
<u>9</u>		<u>CS-4</u>																																							
<u>10</u>		<u>CS-1</u>																																							

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Relinquished By: <u>[Signature]</u>		Date: <u>12/18/24</u>		Received By: <u>[Signature]</u>		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
Relinquished By: <u>[Signature]</u>		Time: <u>12:58</u>		Received By: <u>[Signature]</u>		All Results are emailed. Please provide Email address:	
Date: _____		Time: _____		REMARKS:			
Delivered By: (Circle One)		Observed Temp. °C <u>2.0</u>		Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	
Sampler - UPS - Bus - Other:		Corrected Temp. °C <u>2.0</u>		CHECKED BY: (Initials) <u>SK</u>		Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	
FORM-006 R 3.3 08/03/24						Thermometer ID #140 Correction Factor -0.6°C	

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

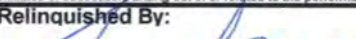




101 East Marland, Hobbs, NM 88240
(575) 393-2326 FAX (575) 393-2476

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTN Environmental		BILL TO		ANALYSIS REQUEST																									
Project Manager: Kellen Smith		P.O. #:																											
Address: 13212 N MacArthur Blvd		Company:																											
City: Oklahoma City State: OK Zip: 73142		Attn:																											
Phone #: (832) 374-0004 Fax #:		Address:																											
Project #: 248172 Project Owner: Caza		City:																											
Project Name: Gamma 27 State #003H		State: Zip:																											
Project Location: Eddy Co., NM		Phone #:																											
Sampler Name: Will Smiley		Fax #:																											
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																					
Lab I.D.	Sample I.D.	GRAB OR (COMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME															
11	CS-2	C	1			1							12/8/24		BTEX	TPH	Chloride												
12	CS-10	1	1												x	x	x												

PLEASE NOTE: Liability and Damages. Cardinal's liability and client's exclusive remedy for any claim arising whether based in contract or tort, shall be limited to the amount paid by the client for the analyses. All claims including those for negligence and any other cause whatsoever shall be deemed waived unless made in writing and received by Cardinal within 30 days after completion of the applicable service. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.

Relinquished By: 		Date: 12/18/24	Received By: 		Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:	
		Time: 1:00			All Results are emailed. Please provide Email address:	
Relinquished By:		Date:	Received By:		REMARKS:	
		Time:				
Delivered By: (Circle One)	Observed Temp. °C 2.0	Sample Condition Cool Intact	CHECKED BY: (Initials)	Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact Observed Temp. °C	
Sampler - UPS - Bus - Other:	Corrected Temp. °C 2.0	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Thermometer ID #140 Correction Factor -0.6°C	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Corrected Temp. °C

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



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

January 14, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMMA 27 STATE #003H

Enclosed are the results of analyses for samples received by the laboratory on 01/08/25 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:	01/08/2025	Sampling Date:	01/08/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Alyssa Parras
Project Location:	CAZA - LEA CO., NM		

Sample ID: CS-1 (H250073-01)

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	01/08/2025	ND	1.66	83.2	2.00	3.27		
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93		
Total BTEX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	01/09/2025	ND	480	120	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	01/09/2025	ND	171	85.7	200	7.39	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 75.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.4 % 49.1-148

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:	01/08/2025	Sampling Date:	01/08/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Alyssa Parras
Project Location:	CAZA - LEA CO., NM		

Sample ID: CS-2 (H250073-02)

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	01/08/2025	ND	1.66	83.2	2.00	3.27		
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93		
Total BTEX	<0.300	0.300	01/08/2025	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	240	16.0	01/09/2025	ND	480	120	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	01/09/2025	ND	171	85.7	200	7.39	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.1 % 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: 01/08/2025
 Reported: 01/14/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/08/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Alyssa Parras

Sample ID: CS-4 (H250073-03)

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	01/08/2025	ND	1.66	83.2	2.00	3.27		
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42		
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07		
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93		
Total BTEX	<0.300	0.300	01/08/2025	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	208	16.0	01/09/2025	ND	480	120	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	01/09/2025	ND	171	85.7	200	7.39	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 75.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 70.8 % 49.1-148

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*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/08/2025	Sampling Date:	01/08/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Alyssa Parras
Project Location:	CAZA - LEA CO., NM		

Sample ID: SW-9 (H250073-04)

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	01/08/2025	ND	1.66	83.2	2.00	3.27	
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42	
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93	
Total BTX	<0.300	0.300	01/08/2025	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	01/09/2025	ND	480	120	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	01/09/2025	ND	171	85.7	200	7.39	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 72.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

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

Received:	01/08/2025	Sampling Date:	01/08/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Alyssa Parras
Project Location:	CAZA - LEA CO., NM		

Sample ID: SW-11 (H250073-05)

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	01/08/2025	ND	1.66	83.2	2.00	3.27	
Toluene*	<0.050	0.050	01/08/2025	ND	1.78	88.9	2.00	2.42	
Ethylbenzene*	<0.050	0.050	01/08/2025	ND	1.71	85.3	2.00	2.07	
Total Xylenes*	<0.150	0.150	01/08/2025	ND	4.98	83.0	6.00	1.93	
Total BTEX	<0.300	0.300	01/08/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.0 % 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	272	16.0	01/09/2025	ND	480	120	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	01/09/2025	ND	171	85.7	200	7.39	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 67.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 62.4 % 49.1-148

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:	01/08/2025	Sampling Date:	01/08/2025
Reported:	01/14/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Alyssa Parras
Project Location:	CAZA - LEA CO., NM		

Sample ID: SW-12 (H250073-06)

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	01/09/2025	ND	1.66	83.2	2.00	3.27		
Toluene*	<0.050	0.050	01/09/2025	ND	1.78	88.9	2.00	2.42		
Ethylbenzene*	<0.050	0.050	01/09/2025	ND	1.71	85.3	2.00	2.07		
Total Xylenes*	<0.150	0.150	01/09/2025	ND	4.98	83.0	6.00	1.93		
Total BTEx	<0.300	0.300	01/09/2025	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	288	16.0	01/09/2025	ND	480	120	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	01/09/2025	ND	171	85.7	200	7.39	
DRO >C10-C28*	<10.0	10.0	01/09/2025	ND	165	82.3	200	10.5	
EXT DRO >C28-C36	<10.0	10.0	01/09/2025	ND					

Surrogate: 1-Chlorooctane 75.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.8 % 49.1-148

Cardinal Laboratories

*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager

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

Notes and Definitions

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.
BS-3	Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
ND	Analyte NOT DETECTED at or above the reporting limit
RPD	Relative Percent Difference
**	Samples not received at proper temperature of 6°C or below.
***	Insufficient time to reach temperature.
-	Chloride by SM4500Cl-B does not require samples be received at or below 6°C Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories

*=Accredited Analyte

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

Celey D. Keene, Lab Director/Quality Manager



ANALYSIS REQUEST

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



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

January 21, 2025

KELLAN SMITH

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: GRAMMA 27 STATE #003H

Enclosed are the results of analyses for samples received by the laboratory on 01/15/25 11:53.

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:	01/15/2025	Sampling Date:	01/15/2025
Reported:	01/21/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA CO., NM		

Sample ID: DS - 1 0-6" (H250208-01)

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	01/16/2025	ND	1.93	96.3	2.00	0.504	
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379	
Total BTX	<0.300	0.300	01/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2025	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	01/16/2025	ND	201	101	200	0.00148	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	188	94.2	200	0.942	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 86.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.6 % 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:	01/15/2025	Sampling Date:	01/15/2025
Reported:	01/21/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA CO., NM		

Sample ID: DS - 1 1-1.5' (H250208-02)

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	01/16/2025	ND	1.93	96.3	2.00	0.504		
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379		
Total BTEx	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2025	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	01/16/2025	ND	201	101	200	0.00148	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	188	94.2	200	0.942	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 81.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.0 % 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: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 1 2-2.5' (H250208-03)

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	01/16/2025	ND	1.93	96.3	2.00	0.504		
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379		
Total BTX	<0.300	0.300	01/16/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2025	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	01/16/2025	ND	201	101	200	0.00148	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	188	94.2	200	0.942	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 82.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.9 % 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:	01/15/2025	Sampling Date:	01/15/2025
Reported:	01/21/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA CO., NM		

Sample ID: DS - 1 3-3.5' (H250208-04)

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	01/16/2025	ND	1.93	96.3	2.00	0.504		
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379		
Total BTEx	<0.300	0.300	01/16/2025	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	160	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 84.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 74.0 % 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: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 1 4-4.5' (H250208-05)

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	01/16/2025	ND	1.93	96.3	2.00	0.504	
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379	
Total BTEX	<0.300	0.300	01/16/2025	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	96.0	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 83.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 73.4 % 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: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 2 0-6" (H250208-06)

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	01/16/2025	ND	1.93	96.3	2.00	0.504		
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379		
Total BTEx	<0.300	0.300	01/16/2025	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	<16.0	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 108 % 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: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 2 1-1.5' (H250208-07)

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	01/16/2025	ND	1.93	96.3	2.00	0.504		
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379		
Total BTEx	<0.300	0.300	01/16/2025	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	<16.0	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 92.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.7 % 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: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 2 2-2.5' (H250208-08)

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	01/16/2025	ND	1.93	96.3	2.00	0.504		
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379		
Total BTEx	<0.300	0.300	01/16/2025	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	<16.0	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 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: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 2 3-3.5' (H250208-09)

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	01/16/2025	ND	1.93	96.3	2.00	0.504	
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379	
Total BTEX	<0.300	0.300	01/16/2025	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	<16.0	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 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: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 2 4-4.5' (H250208-10)

BTX 8021B			mg/kg		Analyzed By: JH				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/16/2025	ND	1.93	96.3	2.00	0.504	
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379	
Total BTX	<0.300	0.300	01/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 81.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 3 0-6" (H250208-11)

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	01/16/2025	ND	1.93	96.3	2.00	0.504		
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379		
Total BTEx	<0.300	0.300	01/16/2025	ND						

Surrogate: 4-Bromofluorobenzene (PID) 100 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 83.0 % 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: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 3 1-1.5' (H250208-12)

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	01/16/2025	ND	1.93	96.3	2.00	0.504	
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379	
Total BTEX	<0.300	0.300	01/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: KV					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 95.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.9 % 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:	01/15/2025	Sampling Date:	01/15/2025
Reported:	01/21/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA CO., NM		

Sample ID: DS - 3 2-2.5' (H250208-13)

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	01/16/2025	ND	1.93	96.3	2.00	0.504		
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379		
Total BTEx	<0.300	0.300	01/16/2025	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	<16.0	16.0	01/16/2025	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	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 94.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Analytical Results For:

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

Received:	01/15/2025	Sampling Date:	01/15/2025
Reported:	01/21/2025	Sampling Type:	Soil
Project Name:	GRAMMA 27 STATE #003H	Sampling Condition:	Cool & Intact
Project Number:	248172	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA CO., NM		

Sample ID: DS - 3 3-3.5' (H250208-14)

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	01/16/2025	ND	1.93	96.3	2.00	0.504		
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391		
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587		
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379		
Total BTEx	<0.300	0.300	01/16/2025	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/16/2025	ND	448	112	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 80.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.9 % 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: 01/15/2025
 Reported: 01/21/2025
 Project Name: GRAMMA 27 STATE #003H
 Project Number: 248172
 Project Location: CAZA - LEA CO., NM

Sampling Date: 01/15/2025
 Sampling Type: Soil
 Sampling Condition: Cool & Intact
 Sample Received By: Tamara Oldaker

Sample ID: DS - 3 4-4.5' (H250208-15)

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	01/16/2025	ND	1.93	96.3	2.00	0.504	
Toluene*	<0.050	0.050	01/16/2025	ND	2.03	102	2.00	0.391	
Ethylbenzene*	<0.050	0.050	01/16/2025	ND	2.04	102	2.00	0.587	
Total Xylenes*	<0.150	0.150	01/16/2025	ND	6.09	101	6.00	0.379	
Total BTEX	<0.300	0.300	01/16/2025	ND					

Surrogate: 4-Bromofluorobenzene (PID) 99.8 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/16/2025	ND	448	112	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2025	ND	181	90.7	200	0.864	
DRO >C10-C28*	<10.0	10.0	01/16/2025	ND	178	88.9	200	0.943	
EXT DRO >C28-C36	<10.0	10.0	01/16/2025	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 81.2 % 49.1-148

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Notes and Definitions

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

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

Celey D. Keene, Lab Director/Quality Manager



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: <u>NTGE</u> Project Manager: <u>Kellan Smith</u> Address: <u>13212 N MacArthur Blvd</u> City: <u>Oklahoma City</u> State: <u>OK</u> Zip: <u>73142</u> Phone #: <u>248172</u> Fax #: <u>CAZA</u> Project #: <u>248172</u> Project Owner: <u>CAZA</u> Project Name: <u>Gamma 27 State #003H</u> Project Location: <u>Lea County, NM</u> Sampler Name: <u>Clayton Tunkas</u>				BILL TO P.O. #: _____ Company: _____ Attn: _____ Address: _____ City: _____ State: _____ Zip: _____ Phone #: _____ Fax #: _____				ANALYSIS REQUEST																									
FOR LAB USE ONLY																																	
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME		BTEX TPH Chloride			
H35D208		D5-1		0-6"		61																											
1		D5-1		1-1.5'		1																											
2		D5-1		2-2.5'		1																											
3		D5-1		3-3.5'		1																											
4		D5-1		4-4.5'		1																											
5		D5-2		0-6"		1																											
6		D5-2		1-1.5'		1																											
7		D5-2		2-2.5'		1																											
8		D5-2		3-3.5'		1																											
9		D5-2		4-4.5'		1																											
10		D5-2																															



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

CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

Company Name: NTGE Project Manager: Kellan Smith Address: 13217 N MacArthur Blvd City: Oklahoma City State: OK Zip: 73142 Phone #: Fax #: Project #: 248172 Project Owner: PZTA Project Name: Gamma 27 State #003H Project Location: Lee Clayton PMS Sampler Name: FOR LAB USE ONLY				BILL TO P.O. #: Company: Attn: Address: City: State: Zip: Phone #: Fax #:				ANALYSIS REQUEST			
Lab I.D. H250208 Sample I.D.				Matrix (G)RAB OR (C)OMP. # CONTAINERS GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER : ACID/BASE: ICE / COOL OTHER :				DATE 11/15 TIME 10:00 BTEX TPH Chloride			
11 03-3 0-6" 6 12 03-3 1-1.5' 11 13 03-3 2-2.5' 11 14 03-3 3-3.5' 11 15 03-3 4-4.5' 11				11/15 10:00 11/15 10:00 11/15 10:00 11/15 10:00 11/15 10:00				11/15 10:00 11/15 10:00 11/15 10:00 11/15 10:00 11/15 10:00			
Relinquished By: [Signature] Date: 11/15 Time: 11:53 Received By: [Signature] Date: 11/15 Time: 11:53 Relinquished By: [Signature] Date: 11/15 Time: 11:53 Received By: [Signature]				Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Add'l Phone #: Remarks: All Results are emailed. Please provide Email address:				Turnaround Time: Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/> Thermometer ID #140 Correction Factor -0.5°C Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No Observed Temp. °C Corrected Temp. °C			

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS

Action 427613

QUESTIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 427613
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2401531615
Incident Name	NAPP2401531615 GRAMMA 27 STATE #003H @ 0
Incident Type	Produced Water Release
Incident Status	Deferral Request Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	GRAMMA 27 STATE #003H
Date Release Discovered	01/14/2024
Surface Owner	State

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Freeze Treating Tower Produced Water Released: 9 BBL Recovered: 0 BBL Lost: 9 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
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.

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

General Information
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 427613

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 427613
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
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: Kelly Arrendondo Title: Production Reporting Manager Email: karredondo@ntglobal.com Date: 01/16/2024
----------------------------------------------------	---------------------------------------------------------------------------------------------------------------------

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Oil Conservation Division
1220 S. St Francis Dr.
Santa Fe, NM 87505

QUESTIONS, Page 3

Action 427613

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 427613
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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 26 and 50 (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 200 and 300 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 100 and 200 (ft.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	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)	13000
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	13160
GRO+DRO (EPA SW-846 Method 8015M)	12020
BTEX (EPA SW-846 Method 8021B or 8260B)	95
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	11/01/2024
On what date will (or did) the final sampling or liner inspection occur	01/08/2025
On what date will (or was) the remediation complete(d)	01/20/2025
What is the estimated surface area (in square feet) that will be reclaimed	0
What is the estimated volume (in cubic yards) that will be reclaimed	0
What is the estimated surface area (in square feet) that will be remediated	1730
What is the estimated volume (in cubic yards) that will be remediated	292
<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 427613

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 427613
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

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	LEA LAND LANDFILL [fEEM0112342028]
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	No
OR is the off-site disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Kelly Arrendondo Title: Production Reporting Manager Email: karredondo@ntglobal.com Date: 02/03/2025
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 427613

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 427613
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Deferral Requests Only	
<i>Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.</i>	
Requesting a deferral of the remediation closure due date with the approval of this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Is the remaining contamination in areas immediately under or around production equipment where remediation could cause a major facility deconstruction	Yes
Please list or describe the production equipment and how (re)moving the equipment would cause major facility deconstruction	Liner, Heater Treaters, Separators, Flow Lines, etc.
What is the remaining surface area (in square feet) that will still need to be remediated if a deferral is granted	2400
What is the remaining volume (in cubic yards) that will still need to be remediated if a deferral is granted	180
<i>Per Paragraph (2) of Subsection C of 19.15.29.12 NMAC if contamination is located in areas immediately under or around production equipment such as production tanks, wellheads and pipelines where remediation could cause a major facility deconstruction, the remediation, restoration and reclamation may be deferred with division written approval until the equipment is removed during other operations, or when the well or facility is plugged or abandoned, whichever comes first.</i>	
Enter the facility ID (f#) on which this deferral should be granted	Gamma 27 State 1H-3H Production Facility [fAPP2429234813]
Enter the well API (30-) on which this deferral should be granted	30-025-43488 GRAMMA 27 STATE #003H
Contamination does not cause an imminent risk to human health, the environment, or groundwater	True
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Kelly Arrendondo Title: Production Reporting Manager Email: karredondo@ntglobal.com Date: 02/03/2025

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QUESTIONS, Page 6

Action 427613

QUESTIONS (continued)

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 427613
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	417581
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	01/08/2025
What was the (estimated) number of samples that were to be gathered	6
What was the sampling surface area in square feet	600

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 427613

CONDITIONS

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 427613
	Action Type: [C-141] Deferral Request C-141 (C-141-v-Deferral)

CONDITIONS

Created By	Condition	Condition Date
nvez	Deferral is approved. Remediation Due date will be left open until the site has been plugged and abandoned or a major facility deconstruction takes place.	5/20/2025