

209 W. McKay St  
Carlsbad, New Mexico 88220  
Tel. 432.701.2159  
www.ntglobal.com



May 16, 2024

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

**Re: Closure Report**  
**Caza Operating, LLC**  
**Lennox 32 State #002H**  
**Unit A, Section 32, Township 22S, Range 35E**  
**Site Coordinates: 32.3545151, -103.3831253**  
**Lea County, New Mexico**  
**Incident ID: nAPP2401533380**

## **Introduction**

Mr. Bratcher:

New Tech Global Environmental, LLC (NTGE), on behalf of Caza Operating, LLC (Caza) is pleased to provide this closure report detailing remedial action activities at the Lennox 32 State #002H (Site) release located in Lea County, New Mexico (Figures 1 and 2).

## **Background**

Based on the initial C-141 submitted by Caza and obtained by the New Mexico Oil Conservation District (NMOCD), the release was discovered on January 15<sup>th</sup>, 2024. The release was due to a frozen flowline, resulting in the release of 10 barrels (bbls) of crude oil, of which 0 bbls were recovered. Upon discovery, the well was shut-in, and the area was secured. The initial C-141 is attached.

## **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, and the site is located within a low karst area. A copy of the site characterization information and the associated USGS summary report is attached.

**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+MR)	TPH (GRO+MRO)	BTEX	Benzene
19.15.29.13 Restoration, Reclamation and Re-Vegetation (Impacted Area 0-4 Feet)	600 mg/kg	100 mg/kg	---	50 mg/kg	10 mg/kg
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**

Site assessment activities were conducted to fully characterize and delineate the extent of impacts resulting from the release. Soil samples were collected from the Site using a geotechnical hand auger and submitted to an accredited laboratory for chemical analysis. Soil samples were field screened for volatile organic compounds (VOCs) and chlorides.

All soil samples were analyzed for TPH (EPA method 8015 modified), BTEX (EPA Method 8021B), and chloride (EPA method 300.0/SM 4500Cl-B). The combined analytical results of the Site assessment activities are provided in Table 1. Soil sample locations are shown in Figure 3. Laboratory reports containing analytical methods and chain-of-custody documents are attached. A photographic log documenting Site conditions is attached. Complete details of each sampling event are further described below. Copies of NMOCD sampling notifications are attached.

**Initial Assessment**

On January 26<sup>th</sup>, 2024, NTGE conducted site assessment activities to delineate the extent of impacts from the release horizontally and vertically. A total of seven (7) vertical sample points (i.e., V-1 through V-7) were installed at depths ranging from 0 – 0.5 ft below ground surface (bgs). Additionally, eight (8) horizontal sample points (i.e., H-1 through H-8) were installed at depths of 0 - 0.5 ft bgs.

Analytical results from the initial assessment activities identified elevated TPH and chloride concentrations at vertical sample point V-3, along with horizontal sample point H-1, contained to the upper 1ft bgs. Analytical results of all remaining samples were below the regulatory limits for all analytes.

## **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 above regulatory limits. The impacted soil was excavated to a depth of 1 ft bgs. Upon completion, excavation base and sidewall samples were collected to ensure impacted soil was removed. The confirmation samples were collected in accordance with the one sample per 200 ft<sup>2</sup> guideline established in the regulatory criteria. On March 22<sup>nd</sup>, 2024, a total of twenty-four (24) base (i.e., CS-1 through CS-24) and four (4) sidewall (i.e., SW-1 through SW-4) samples were collected. Of the samples collected, a total of two (2) samples (i.e., CS-16 and SW-2) were above the regulatory limits for TPH.

Caza proceeded with excavation both vertically and horizontally to remove soil in the areas above regulatory limits. The site was resampled on April 16<sup>th</sup>, 2024. A total of five (5) sidewall samples (i.e., SW-2, SW-5, SW-6, SW-7, and SW-8) and one (1) base sample (i.e., CS-16) were collected. Of the samples collected, one (1) sample (i.e., SW-7) was above regulatory limits for TPH. After further excavation, the site was resampled on April 30<sup>th</sup>, 2024. SW-7 was recollected, analyzed and results were below regulatory limits.

The excavation extent, excavation depths, and confirmation sample locations are shown on Figure 4. A total of approximately 194 cubic yards (yd<sup>3</sup>) of impacted soils were excavated and transported to a permitted disposal facility. The confirmation samples were analyzed for BTEX 8021M, TPH 8015M, and Chloride 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 Request**

Based on the assessment and subsequent remedial action activities, the Site is compliant with NMOCD's regulatory limits, and no further actions are required at the site. Caza formally requests a no further action designation for the Site (nAPP2401533380). If you have any questions regarding this report or need additional information, please contact us at (432)-701-2159.

Sincerely,  
**NTG Environmental**



Kellan Smith  
Project Scientist

- Encl. Figure 1 – Site Location Map
- Figure 2 – Area Map
- Figure 3 – Assessment Sample Location Map
- Figure 4 – Confirmation Sampling Map
- Table 1 – Summary of Soil Analytical Data – Confirmation Samples
- Table 2 – Summary of Soil Analytical Data – Delineation Samples
- Attachment A – Site Characterization Documentation
- Attachment B – Photographic Log
- Attachment C – Laboratory Analytical Reports and Chain-of-Custody Documentation

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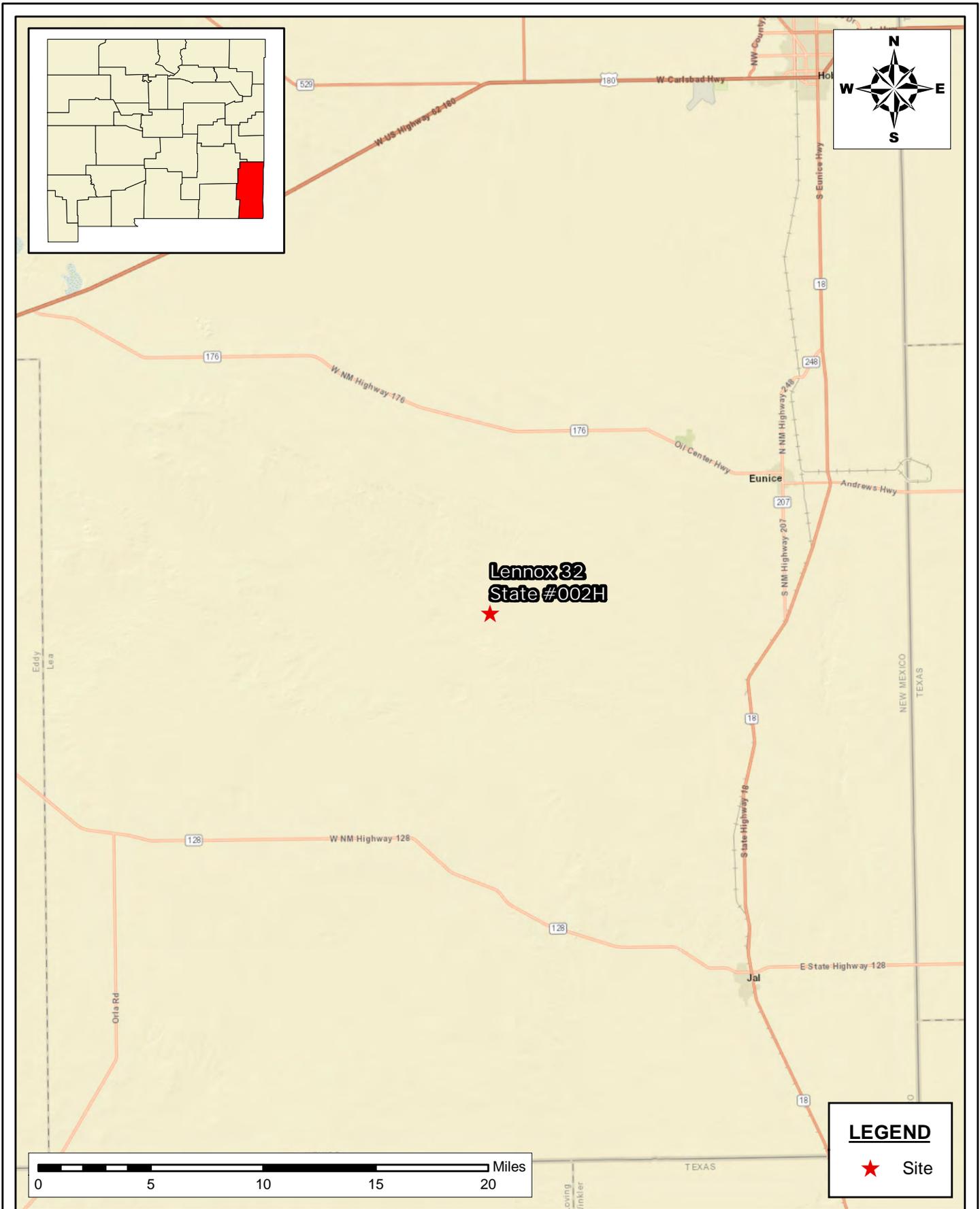
**Creating a Better Environment  
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# FIGURES

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SITE LOCATION MAP  
 CLOSURE REPORT  
 CAZA OPERATING, LLC  
 LENNOX 32 STATE #002H  
 LEA COUNTY, NEW MEXICO

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



**NOTES:**

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

DRAWING NUMBER:

**FIGURE 1**

SHEET NUMBER:

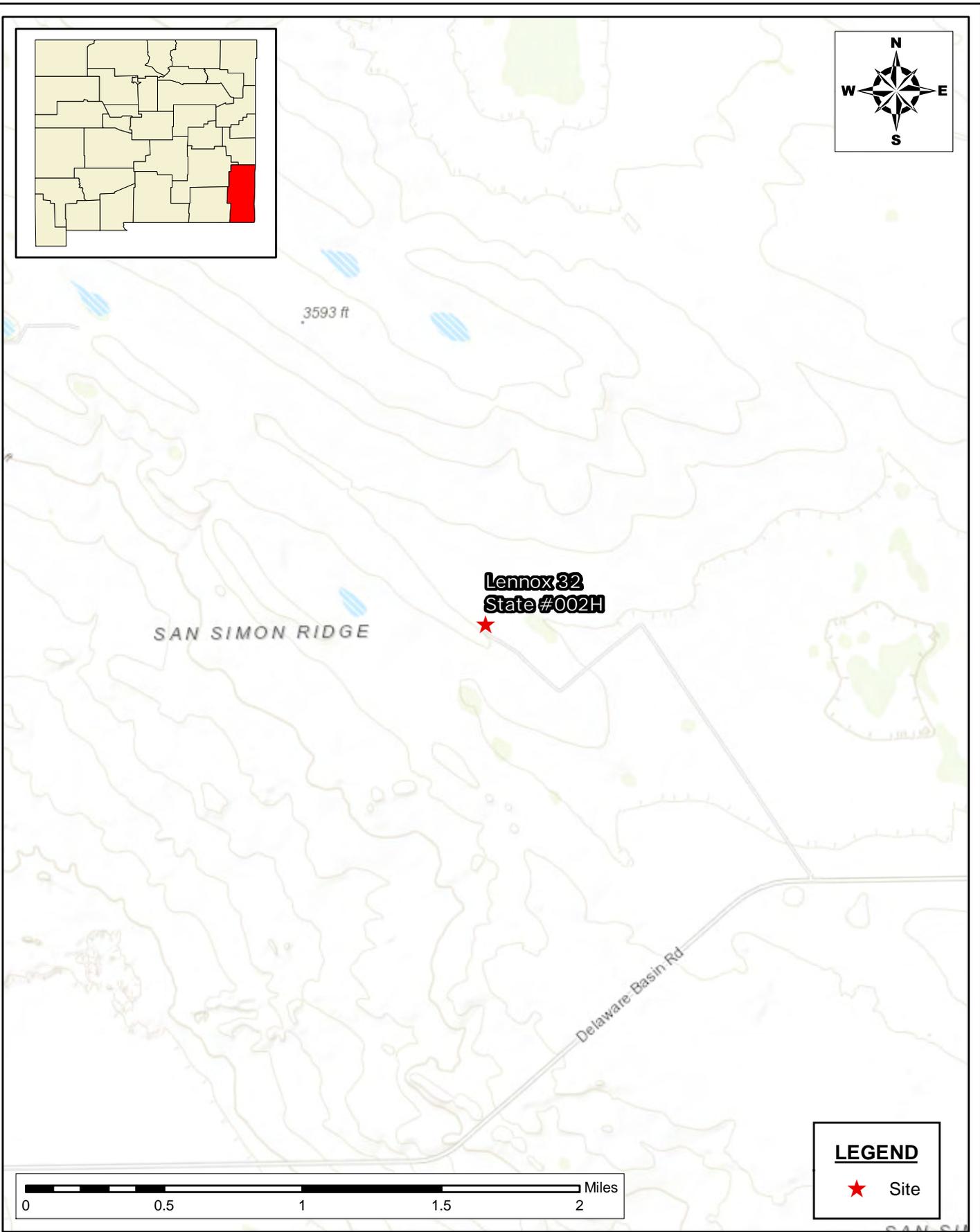
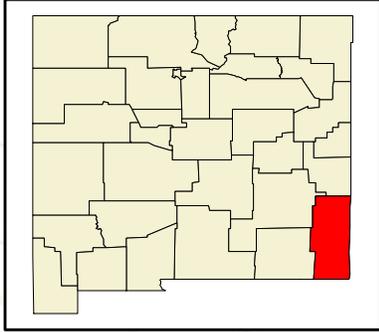
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Date: 1/15/2024

PROJECT #248173

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**LEGEND**

★ Site

TOPOGRAPHIC MAP  
 CLOSURE REPORT  
 CAZA OPERATING, LLC  
 LENNOX 32 STATE #002H  
 LEA COUNTY, NEW MEXICO

SCALE: As Shown    Date: 1/15/2024    PROJECT #:248173

 **NTG**  
 Environmental

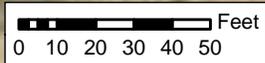
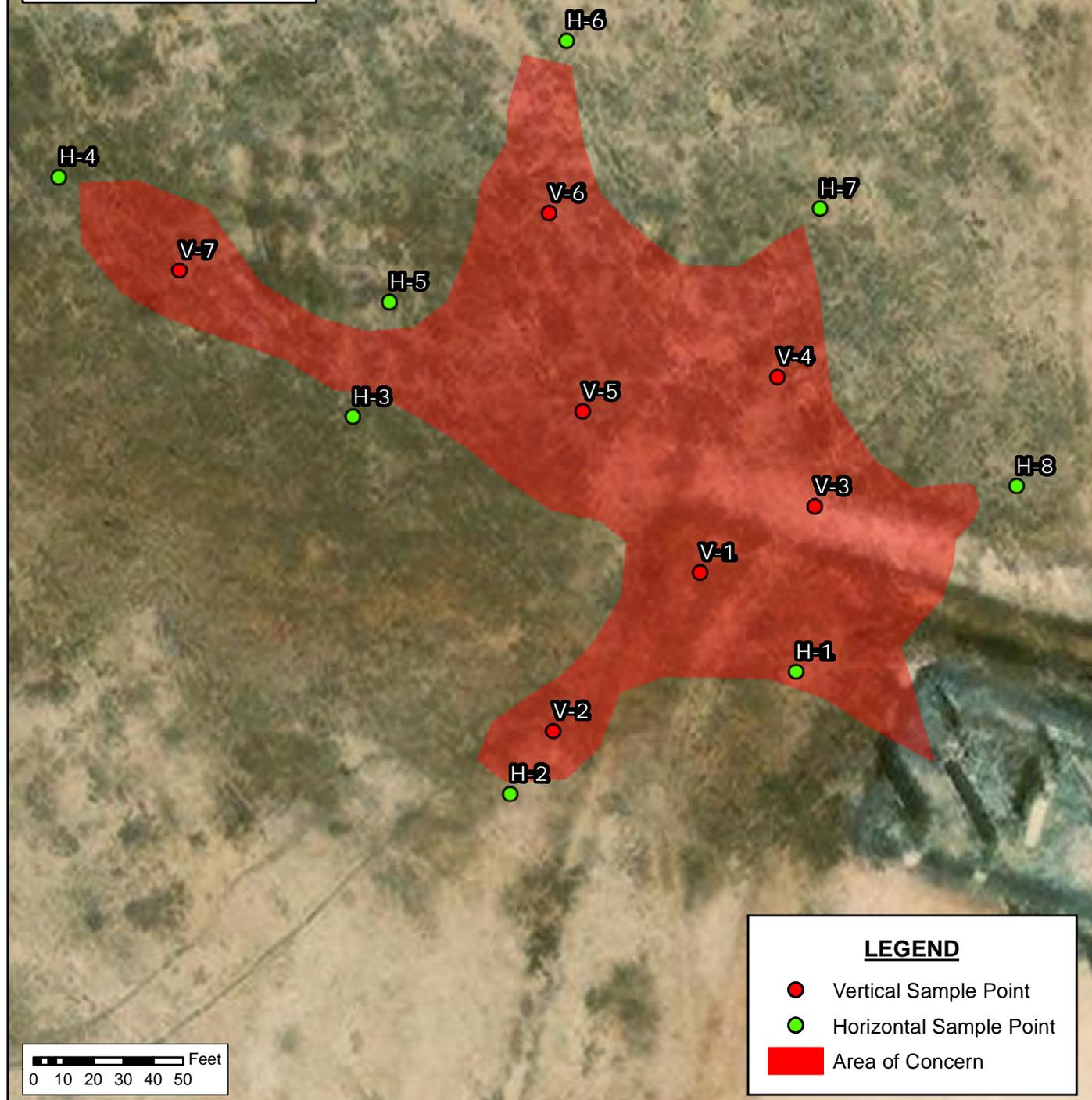
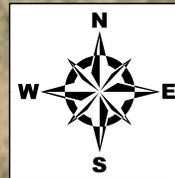
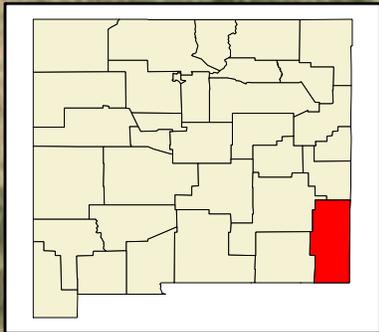
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**FIGURE 2**

SHEET NUMBER:  
**1 of 1**



**LEGEND**

- Vertical Sample Point
- Horizontal Sample Point
- Area of Concern

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**DELINEATION MAP  
CLOSURE REPORT**  
 LENNOX 32 STATE #002H  
 CAZA OPERATING, LLC  
 LEA COUNTY, NEW MEXICO



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**NOTES:**

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

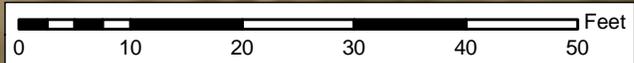
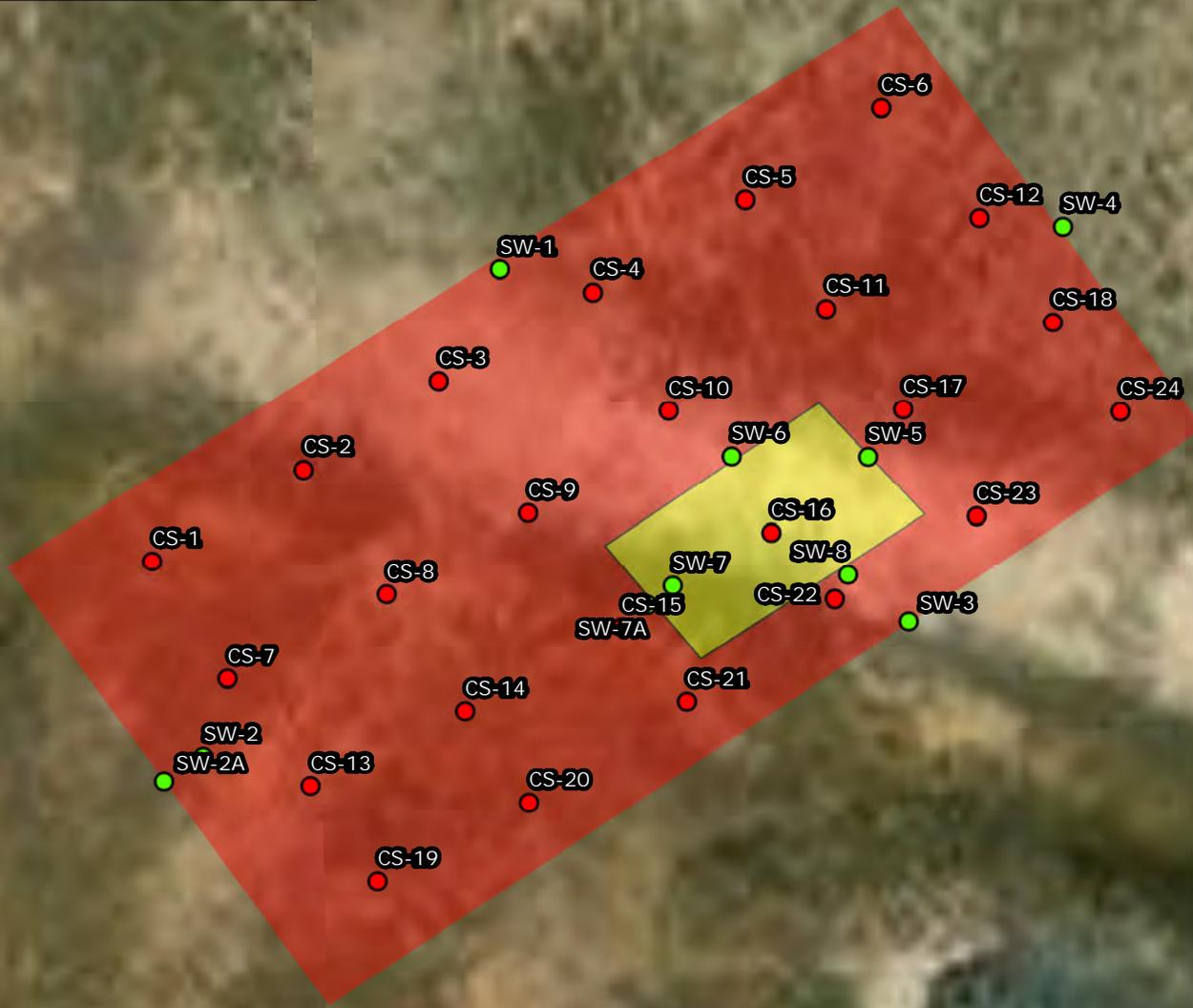
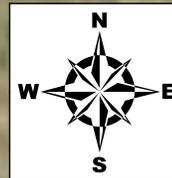
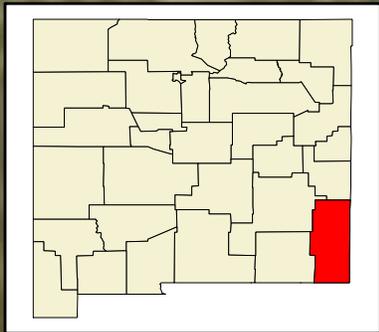
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**LEGEND**

- Base Confirmation Sample
- Sidewall Confirmation Sample
- 1 ft Excavation Area
- 2 ft Excavation Area

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**CONFIRMATION SAMPLING MAP  
CLOSURE REPORT**  
 LENNOX 32 STATE #002H  
 CAZA OPERATING, LLC  
 LEA COUNTY, NEW MEXICO

SCALE: As Shown    Date: 5/7/2024    PROJECT #: 248173

 **NTG**  
 New Tech Global Environmental, LLC  
 911 Regional Park Drive  
 Houston, Texas 77060  
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 F - 281.872.4521  
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**NOTES:**  
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 2. Map Projection: NAD 1983

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**FIGURE 4**  
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**1 of 1**

# TABLES

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**Table 1**  
**Summary of Soil Analytical Data - Delineation Samples**  
 Lennox 32 State #002H  
 Caza Operating, LLC  
 Lea County, New Mexico

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								10 mg/kg	---	---	---	50 mg/kg	
<b>Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC</b>													
<b>Vertical Delineation Samples</b>													
V-1	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>29</b>	<b>29</b>	<10.0	<b>29</b>	<b>48</b>
V-2	1/26/2024	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
V-3	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>143</b>	<b>143</b>	<b>45.8</b>	<b>188.8</b>	16.0
V-4	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
V-5	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	16
V-6	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
V-7	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
<b>Horizontal Delineation Samples</b>													
H-1	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>88.1</b>	<b>88.1</b>	<b>21.9</b>	<b>100</b>	16
H-2	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
H-3	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
H-4	1/26/2024	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
H-5	1/26/2024	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
H-6	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
H-7	1/26/2024	0-0.5'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>19.8</b>	<b>19.8</b>	<10.0	<b>19.8</b>	16
H-8	1/26/2024	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

Notes:

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

**SP-1** Sample Point Excavated

**Table 2**  
**Summary of Soil Analytical Data - Confirmation Samples**  
**Lennox 32 State #002H**  
**Caiza Operating, LLC**  
**Lea County, New Mexico**

Sample ID	Sample Date	Depth (ft bgs)	Benzene (mg/kg)	Toluene (mg/kg)	Ethylbenzene (mg/kg)	Xylenes (mg/kg)	BTEX (mg/kg)	TPH					Chloride (mg/kg)
								GRO (C6-C10) (mg/kg)	DRO (C10-C28) (mg/kg)	GRO + DRO (C6-C28) (mg/kg)	MRO (C28-C35) (mg/kg)	Total GRO/DRO/MRO (C6-C35) (mg/kg)	
								10 mg/kg	---	---	---	50 mg/kg	
<b>Table I Closure Criteria for Soil 51-100 feet Depth to Groundwater 19.15.29 NMAC</b>													
<b>Base Confirmation Samples</b>													
CS-1	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>22.1</b>	<b>22.1</b>	<10.0	<b>22.1</b>	<b>32.0</b>
CS-2	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
CS-3	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>33.6</b>	<b>33.6</b>	<10.0	<b>33.6</b>	<b>16.0</b>
CS-4	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>13.5</b>	<b>13.5</b>	<10.0	<b>13.5</b>	<b>32.0</b>
CS-5	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
CS-6	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
CS-7	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>65.3</b>	<b>65.3</b>	<10.0	<b>65.3</b>	<b>16.0</b>
CS-8	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
CS-9	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>20.7</b>	<b>20.7</b>	<10.0	<b>20.7</b>	<b>32.0</b>
CS-10	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
CS-11	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>48.1</b>	<b>48.1</b>	<10.0	<b>48.1</b>	<b>16.0</b>
CS-12	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32.0</b>
CS-13	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>54.2</b>	<b>54.2</b>	<10.0	<b>54.2</b>	<b>16.0</b>
CS-14	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>21.1</b>	<b>21.1</b>	<10.0	<b>21.1</b>	<b>48.0</b>
CS-15	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>59.6</b>	<b>59.6</b>	<10.0	<b>59.6</b>	<b>16.0</b>
CS-16	<del>3/22/2024</del>	<del>1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del><b>369</b></del>	<del><b>369</b></del>	<del><b>53</b></del>	<del><b>422</b></del>	<del><b>32.0</b></del>
	4/16/2024	2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>369</b>	<b>369</b>	<b>53</b>	<10.0	<b>32.0</b>
CS-17	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>11.5</b>	<b>11.5</b>	<10.0	<b>11.5</b>	<16
CS-18	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>48.0</b>
CS-19	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
CS-20	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16.0</b>
CS-21	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>69.4</b>	<b>69.4</b>	<10.0	<b>69.4</b>	<b>48.0</b>
CS-22	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>15.9</b>	<b>15.9</b>	<10.0	<b>15.9</b>	<b>16.0</b>
CS-23	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>47.7</b>	<b>47.7</b>	<10.0	<b>47.7</b>	<b>16.0</b>
CS-24	3/22/2024	1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
<b>Sidewall Confirmation Samples</b>													
SW-1	3/22/2024	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW-2	<del>3/22/2024</del>	<del>0-1'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del><b>201</b></del>	<del><b>201</b></del>	<del>&lt;10.0</del>	<del><b>201</b></del>	<del>&lt;16</del>
	4/16/2024	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>29.8</b>	<b>29.8</b>	<10.0	<b>29.8</b>	<b>16</b>
SW-3	3/22/2024	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<b>36.9</b>	<b>36.9</b>	<10.0	<b>36.9</b>	<16
SW-4	3/22/2024	0-1'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW-5	4/16/2024	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>32</b>
SW-6	4/16/2024	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<16
SW-7	<del>4/16/2024</del>	<del>1-2'</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.050</del>	<del>&lt;0.150</del>	<del>&lt;0.300</del>	<del>&lt;10.0</del>	<del><b>1120</b></del>	<del><b>1120</b></del>	<del><b>796</b></del>	<del><b>1916</b></del>	<del>&lt;16</del>
	4/30/2024	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>144</b>
SW-8	4/16/2024	1-2'	<0.050	<0.050	<0.050	<0.150	<0.300	<10.0	<10.0	<10.0	<10.0	<10.0	<b>16</b>

Notes:

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

**SP-1** Sample Point Excavated

# ATTACHMENT A: SITE CHARACTERIZATION DOCUMENTATION

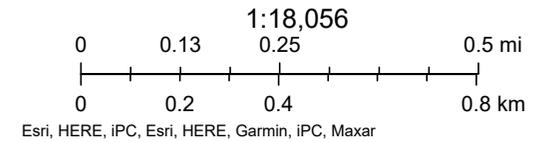
---

# OSE POD Location Map

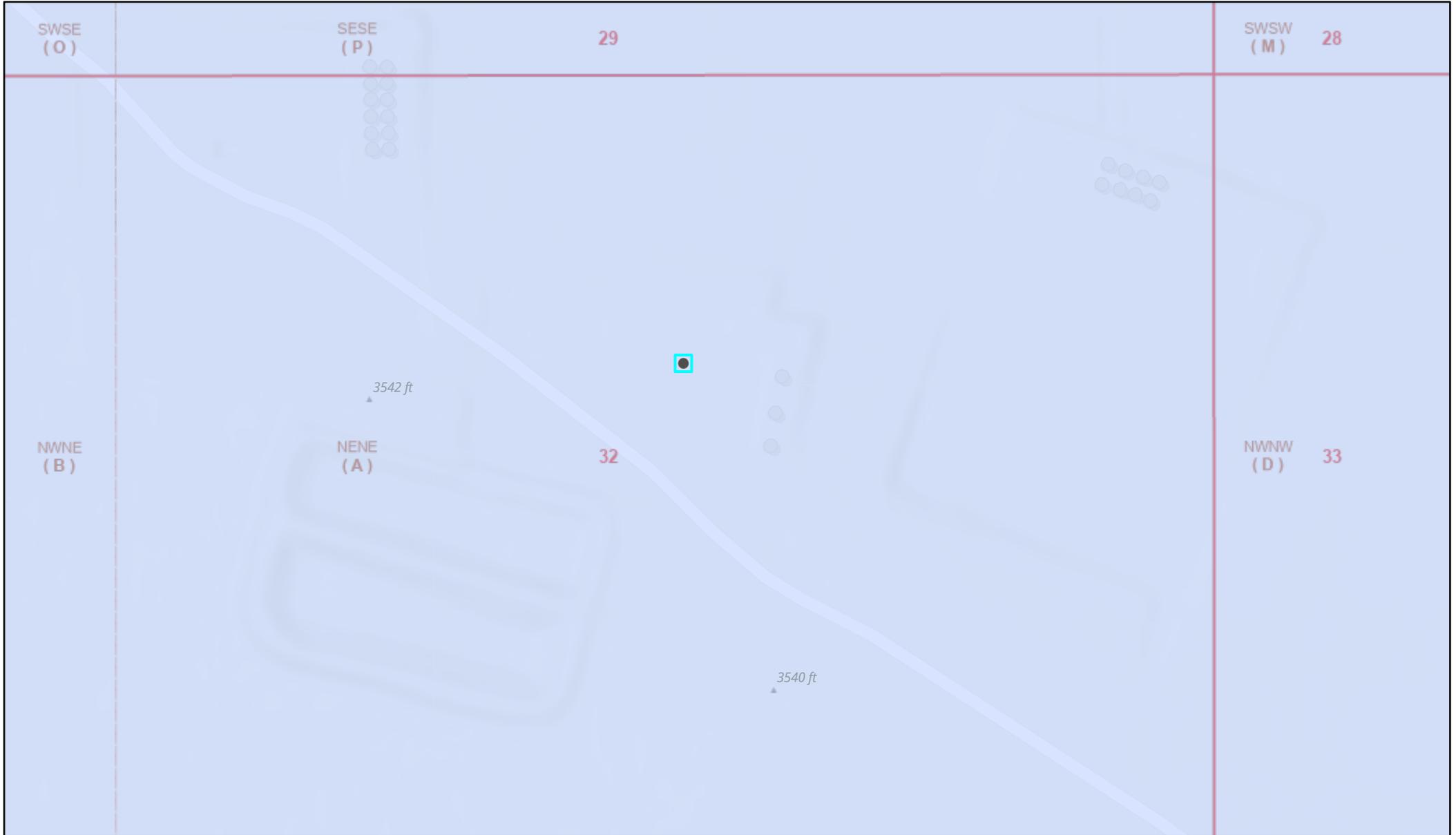


1/15/2024, 10:57:24 AM

- Override 1
- OSE District Boundary
- Both Estates
- NHD Flowlines
- Water Right Regulations
- Closure Area
- New Mexico State Trust Lands
- Subsurface Estate
- Stream River

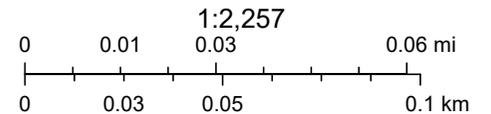


# Site Characterization Map



1/15/2024, 11:08:03 AM

Karst Occurrence Potential   PLSS Second Division  
  Low   PLSS First Division



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

# National Flood Hazard Layer FIRMMette



103°23'18"W 32°21'31"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		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature

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 11:54 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

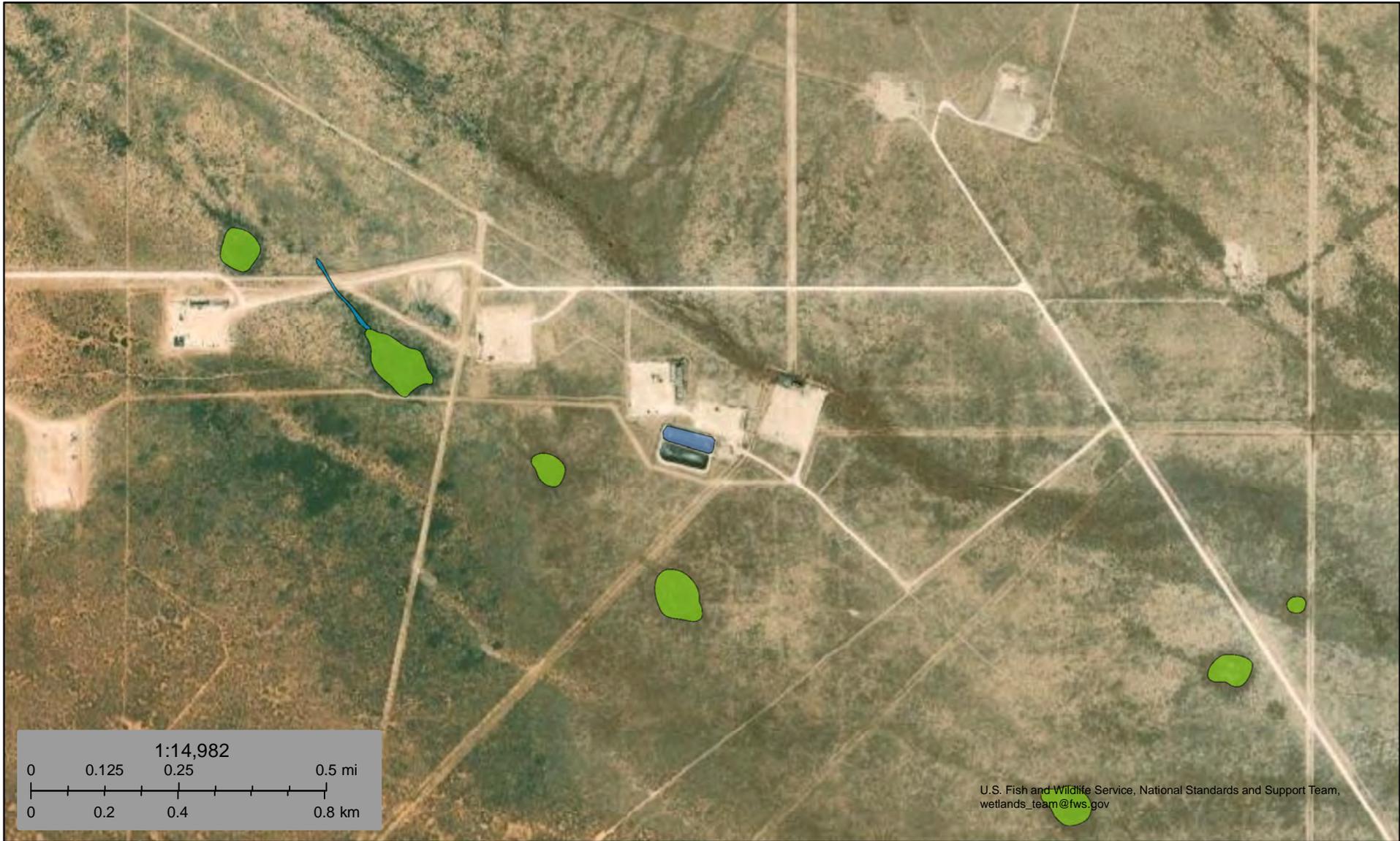
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Released to Imaging: 6/10/2024 9:15:56 AM

1:6,000 Basemap Imagery Source: USGS National Map 2023



# Wetlands Map



January 15, 2024

### Wetlands

- Estuarine and Marine Deepwater
- Freshwater Emergent Wetland
- Estuarine and Marine 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.

# Lennox 32 State #002H

Significant Watercourse

### Legend

-  0.5 Mile Radius
-  300 Foot Radius
-  Lennox 32 State #002H

## T22S R35E

29

28

Lennox 32 State #002H

32

33

33

3500

3550



# **ATTACHMENT B: PHOTOGRAPHIC LOG**

---

# PHOTOGRAPHIC LOG

Caza Operating, LLC.

## Photograph No. 1

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
Initial Assessment



## Photograph No. 2

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
Initial Assessment



## Photograph No. 3

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
Initial Assessment



# PHOTOGRAPHIC LOG

Caza Operating, LLC.

## Photograph No. 4

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
Initial Assessment



## Photograph No. 5

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
Initial Assessment



## Photograph No. 6

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
Initial Assessment



# PHOTOGRAPHIC LOG

Caza Operating, LLC.

## Photograph No. 7

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of Excavation.



## Photograph No. 8

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of Excavation



## Photograph No. 9

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of Excavation



# PHOTOGRAPHIC LOG

## Caza Operating, LLC.

### Photograph No. 10

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of Excavation.



### Photograph No. 11

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of Excavation



### Photograph No. 12

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of Excavation



# PHOTOGRAPHIC LOG

Caza Operating, LLC.

## Photograph No. 13

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of Excavation.



## Photograph No. 14

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of Excavation



## Photograph No. 15

**Facility:** Lennox 32 State #002H

**County:** Lea County, New Mexico

**Description:**  
View of Excavation



# ATTACHMENT C: LABORATORY ANALYTICAL REPORTS AND CHAIN-OF- CUSTODY DOCUMENTATION

---



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

---

January 31, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: LENNOX 32

Enclosed are the results of analyses for samples received by the laboratory on 01/26/24 13:20.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: H - 1 0-6" (H240360-01)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	194	97.0	200	4.21	
<b>DRO &gt;C10-C28*</b>	<b>88.1</b>	10.0	01/29/2024	ND	186	92.8	200	3.16	
<b>EXT DRO &gt;C28-C36</b>	<b>21.9</b>	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 97.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 95.2 % 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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: H - 2 0-6" (H240360-02)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	194	97.0	200	4.21	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	186	92.8	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 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  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: H - 3 0-6" (H240360-03)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	194	97.0	200	4.21	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	186	92.8	200	3.16	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: H - 4 0-6" (H240360-04)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	187	93.3	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 87.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.3 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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 client for 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 thirty (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 the services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise. Results relate only to the samples identified above. This report shall not be reproduced except in full with written approval of Cardinal Laboratories.

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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: H - 5 0-6" (H240360-05)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	187	93.3	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 110 % 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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: H - 6 0-6" (H240360-06)**

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	01/29/2024	ND	2.25	112	2.00	4.51		
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11		
Total BTEX	<0.300	0.300	01/29/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21		
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	187	93.3	200	4.27		
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND						

Surrogate: 1-Chlorooctane 110 % 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  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: H - 7 0-6" (H240360-07)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	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
<b>Chloride</b>	<b>16.0</b>	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
<b>DRO &gt;C10-C28*</b>	<b>19.8</b>	10.0	01/29/2024	ND	187	93.3	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: H - 8 0-6" (H240360-08)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	187	93.3	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: V - 1 0-6" (H240360-09)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>48.0</b>	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
<b>DRO &gt;C10-C28*</b>	<b>29.0</b>	10.0	01/29/2024	ND	187	93.3	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 96.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: V - 2 0-6" (H240360-10)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	187	93.3	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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**Analytical Results For:**

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

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: V - 3 0-6" (H240360-11)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
<b>DRO &gt;C10-C28*</b>	<b>143</b>	10.0	01/29/2024	ND	187	93.3	200	4.27	
<b>EXT DRO &gt;C28-C36</b>	<b>45.8</b>	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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**Analytical Results For:**

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

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: V - 4 0-6" (H240360-12)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	187	93.3	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 94.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: V - 5 0-6" (H240360-13)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	187	93.3	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 100 % 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:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: V - 6 0-6" (H240360-14)**

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	01/29/2024	ND	2.25	112	2.00	4.51	
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73	
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60	
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11	
Total BTEX	<0.300	0.300	01/29/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/29/2024	ND	400	100	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	01/29/2024	ND	201	100	200	3.21	
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	187	93.3	200	4.27	
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND					

Surrogate: 1-Chlorooctane 84.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.9 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	01/26/2024	Sampling Date:	01/26/2024
Reported:	01/31/2024	Sampling Type:	Soil
Project Name:	LENNOX 32	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: V - 7 0-6" (H240360-15)**

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	01/29/2024	ND	2.25	112	2.00	4.51		
Toluene*	<0.050	0.050	01/29/2024	ND	2.54	127	2.00	4.73		
Ethylbenzene*	<0.050	0.050	01/29/2024	ND	2.73	136	2.00	6.60		
Total Xylenes*	<0.150	0.150	01/29/2024	ND	8.31	138	6.00	7.11		
Total BTEX	<0.300	0.300	01/29/2024	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	<16.0	16.0	01/29/2024	ND	448	112	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/29/2024	ND	201	101	200	6.47		
DRO >C10-C28*	<10.0	10.0	01/29/2024	ND	219	109	200	6.96		
EXT DRO >C28-C36	<10.0	10.0	01/29/2024	ND						

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
BS-3 Blank spike recovery outside of lab established statistical limits, but still within method limits. Data is not adversely affected.
BS1 Blank spike recovery above laboratory acceptance criteria. Results for analyte potentially biased high.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>N+BE</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																	
Project Manager: <u>Ethan Sessums</u>		P.O. #:																			
Address: <u>209 W McRay</u>		Company:																			
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn:																			
Phone #: <u>254-266-5456</u> Fax #:		Address:																			
Project #: <u>248173</u> Project Owner: <u>Caza</u>		City:																			
Project Name: <u>Lea Kernox 32</u>		State: Zip:																			
Project Location: <u>Lea County</u>		Phone #:																			
Sampler Name: <u>Tales Umbrell</u>		Fax #:																			
FOR LAB USE ONLY																					
Lab I.D. <u>H240360</u>		Sample I.D.		MATRIX		PRESERV.		SAMPLING		<u>TPH</u> <u>Chlorides</u> <u>BTEX</u>											
				GROUNDWATER		ACID/BASE		DATE												TIME	
				WASTEWATER		ICE / COOL		1-26												9:00	
				SOIL		OTHER															
				OIL																	
				SLUDGE																	
				OTHER :																	

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Relinquished By: <u>[Signature]</u>	Date: <u>1-26</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <u>1:20</u>	Received By:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)	Observed Temp. °C <u>-0.5c</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	Bacteria (only) Sample Condition Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
Sampler - UPS - Bus - Other:	Corrected Temp. °C	CHECKED BY: (Initials) <u>[Signature]</u>	Thermometer ID #140	Observed Temp. °C
FORM 006-R-3-4 07/11/23		Correction Factor 0°C		Corrected Temp. °C

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



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>NTBE</u>		<b>BILL TO</b>			<b>ANALYSIS REQUEST</b>																				
Project Manager: <u>Ethan Sessums</u>		P.O. #:																							
Address: <u>209 W McKay</u>		Company:																							
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn:																							
Phone #: <u>254-266-5456</u> Fax #:		Address:																							
Project #: <u>248173</u> Project Owner: <u>Caza</u>		City:																							
Project Name: <u>Lemox 32</u>		State: Zip:																							
Project Location: <u>Lea County</u>		Phone #:																							
Sampler Name: <u>Walter Umbrall</u>		Fax #:																							
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	# (G)RAB OR (C)OMP.	# CONTAINERS	MATRIX		PRESERV.		SAMPLING																
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER	DATE	TIME										
	<u>H240360</u>	<u>V-3 0-6"</u>	<u>6</u>	<u>1</u>			<u>X</u>							<u>1-26</u>	<u>9:30</u>	<u>TPH</u> <u>Chlorides</u> <u>BTEX</u>									
	<u>11</u>	<u>V-4 0-6"</u>																							
	<u>12</u>	<u>V-5 0-6"</u>																							
	<u>13</u>	<u>V-6 0-6"</u>																							
	<u>14</u>	<u>V-7 0-6"</u>																							
	<u>15</u>																								

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Relinquished By: <u>[Signature]</u>	Date: <u>1-26</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Time: <u>1:20</u>		All Results are emailed. Please provide Email address:		
Relinquished By:	Date:	Received By:	REMARKS:		
	Time:				
Delivered By: (Circle One)	Observed Temp. °C	Sample Condition	CHECKED BY: (Initials)	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C <u>-0.5</u>	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No	<u>[Signature]</u>	Thermometer ID #140	Cool Intact <input type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> No
				Correction Factor 0°C	Observed Temp. °C
					Corrected Temp. °C

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



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March 28, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: LENNOX 32 STATE #002H

Enclosed are the results of analyses for samples received by the laboratory on 03/22/24 12:41.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 1 ( 1' ) (H241514-01)**

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	03/26/2024	ND	2.23	112	2.00	2.02	
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07	
Total BTEX	<0.300	0.300	03/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.9 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	03/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	202	101	200	2.65	
<b>DRO &gt;C10-C28*</b>	<b>22.1</b>	10.0	03/25/2024	ND	194	96.9	200	0.0155	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 81.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.6 % 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:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 2 ( 1' ) (H241514-02)**

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	03/26/2024	ND	2.23	112	2.00	2.02		
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	202	101	200	2.65		
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	194	96.9	200	0.0155		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 81.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 68.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 3 ( 1' ) (H241514-03)**

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	03/26/2024	ND	2.23	112	2.00	2.02		
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07		
Total BTEX	<0.300	0.300	03/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 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	
<b>Chloride</b>	<b>16.0</b>	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	202	101	200	2.65		
<b>DRO &gt;C10-C28*</b>	<b>33.6</b>	10.0	03/25/2024	ND	194	96.9	200	0.0155		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 75.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 69.0 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 4 ( 1' ) (H241514-04)**

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	03/26/2024	ND	2.23	112	2.00	2.02	
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07	
Total BTEX	<0.300	0.300	03/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.2 % 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
<b>Chloride</b>	<b>32.0</b>	16.0	03/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2024	ND	202	101	200	2.65	
<b>DRO &gt;C10-C28*</b>	<b>13.5</b>	10.0	03/26/2024	ND	194	96.9	200	0.0155	
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND					

Surrogate: 1-Chlorooctane 61.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 51.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 5 ( 1' ) (H241514-05)**

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	03/26/2024	ND	2.23	112	2.00	2.02		
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07		
Total BTEX	<0.300	0.300	03/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.1 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/26/2024	ND	202	101	200	2.65		
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	194	96.9	200	0.0155		
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND						

Surrogate: 1-Chlorooctane 63.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 54.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 6 ( 1' ) (H241514-06)**

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	03/26/2024	ND	2.23	112	2.00	2.02	
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07	
Total BTEX	<0.300	0.300	03/26/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	03/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/26/2024	ND	202	101	200	2.65	
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	194	96.9	200	0.0155	
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND					

Surrogate: 1-Chlorooctane 67.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 56.3 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 7 ( 1' ) (H241514-07)**

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	03/26/2024	ND	2.23	112	2.00	2.02	
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07	
Total BTEX	<0.300	0.300	03/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	03/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65	
<b>DRO &gt;C10-C28*</b>	<b>65.3</b>	10.0	03/25/2024	ND	200	100	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 75.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 76.7 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 8 ( 1' ) (H241514-08)**

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	03/26/2024	ND	2.23	112	2.00	2.02	
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07	
Total BTEX	<0.300	0.300	03/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 92.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	200	100	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 80.0 % 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  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 9 ( 1' ) (H241514-09)**

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	03/26/2024	ND	2.23	112	2.00	2.02		
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07		
Total BTEX	<0.300	0.300	03/26/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 91.8 % 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	
<b>Chloride</b>	<b>32.0</b>	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
<b>DRO &gt;C10-C28*</b>	<b>20.7</b>	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 67.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 66.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 10 ( 1' ) (H241514-10)**

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	03/26/2024	ND	2.23	112	2.00	2.02	
Toluene*	<0.050	0.050	03/26/2024	ND	2.18	109	2.00	1.89	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.12	106	2.00	2.10	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.16	103	6.00	2.07	
Total BTEX	<0.300	0.300	03/26/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.3 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	03/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65	
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	200	100	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 52.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 52.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 11 ( 1' ) (H241514-11)**

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	03/26/2024	ND	2.21	111	2.00	3.39	
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32	
Total BTEX	<0.300	0.300	03/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	03/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65	
<b>DRO &gt;C10-C28*</b>	<b>48.1</b>	10.0	03/25/2024	ND	200	100	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 73.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.2 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 12 ( 1' ) (H241514-12)**

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	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 62.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 61.3 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 13 ( 1' ) (H241514-13)**

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	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
DRO >C10-C28*	54.2	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 86.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 90.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 14 ( 1' ) (H241514-14)**

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	03/26/2024	ND	2.21	111	2.00	3.39	
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32	
Total BTEX	<0.300	0.300	03/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<b>48.0</b>	16.0	03/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65	
<b>DRO &gt;C10-C28*</b>	<b>21.1</b>	10.0	03/25/2024	ND	200	100	200	3.53	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 83.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 87.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 15 ( 1' ) (H241514-15)**

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	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>16.0</b>	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
<b>DRO &gt;C10-C28*</b>	<b>59.6</b>	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 91.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.1 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 16 ( 1' ) (H241514-16)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39	
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32	
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37	
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32	
Total BTEX	<0.300	0.300	03/26/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>32.0</b>	16.0	03/26/2024	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65	
<b>DRO &gt;C10-C28*</b>	<b>369</b>	10.0	03/25/2024	ND	200	100	200	3.53	
<b>EXT DRO &gt;C28-C36</b>	<b>53.0</b>	10.0	03/25/2024	ND					

Surrogate: 1-Chlorooctane 98.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 17 ( 1' ) (H241514-17)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
<b>DRO &gt;C10-C28*</b>	<b>11.5</b>	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 92.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 18 ( 1' ) (H241514-18)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 73.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 72.5 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 19 ( 1' ) (H241514-19)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 20 ( 1' ) (H241514-20)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.5 % 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:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 21 ( 1' ) (H241514-21)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>48.0</b>	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
<b>DRO &gt;C10-C28*</b>	<b>69.4</b>	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 95.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 22 ( 1' ) (H241514-22)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
<b>Chloride</b>	<b>16.0</b>	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
<b>DRO &gt;C10-C28*</b>	<b>15.9</b>	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 88.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 89.6 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 23 ( 1' ) (H241514-23)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
DRO >C10-C28*	47.7	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 116 % 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  
 ETHAN SESSUMS  
 701 TRADEWINDS BLVD. SUITE C  
 MIDLAND TX, 79706  
 Fax To:

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 24 ( 1' ) (H241514-24)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	221	110	200	4.65		
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 83.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 88.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 1 ( 0-1' ) (H241514-25)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/26/2024	ND	221	110	200	4.65		
DRO >C10-C28*	<10.0	10.0	03/26/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND						

Surrogate: 1-Chlorooctane 117 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 2 ( 0-1' ) (H241514-26)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/26/2024	ND	221	110	200	4.65		
<b>DRO &gt;C10-C28*</b>	<b>201</b>	10.0	03/26/2024	ND	200	100	200	3.53		
EXT DRO >C28-C36	<10.0	10.0	03/26/2024	ND						

Surrogate: 1-Chlorooctane 116 % 48.2-134

Surrogate: 1-Chlorooctadecane 125 % 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:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 3 ( 0-1' ) (H241514-27)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	214	107	200	6.52	QR-03	
<b>DRO &gt;C10-C28*</b>	<b>36.9</b>	10.0	03/25/2024	ND	200	100	200	8.31	QR-03	
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 114 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 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:	03/22/2024	Sampling Date:	03/22/2024
Reported:	03/28/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 4 ( 0-1' ) (H241514-28)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	03/26/2024	ND	2.21	111	2.00	3.39		
Toluene*	<0.050	0.050	03/26/2024	ND	2.21	110	2.00	3.32		
Ethylbenzene*	<0.050	0.050	03/26/2024	ND	2.16	108	2.00	3.37		
Total Xylenes*	<0.150	0.150	03/26/2024	ND	6.47	108	6.00	3.32		
Total BTEX	<0.300	0.300	03/26/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	03/26/2024	ND	432	108	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	03/25/2024	ND	214	107	200	6.52		
DRO >C10-C28*	<10.0	10.0	03/25/2024	ND	200	100	200	8.31		
EXT DRO >C28-C36	<10.0	10.0	03/25/2024	ND						

Surrogate: 1-Chlorooctane 131 % 48.2-134

Surrogate: 1-Chlorooctadecane 124 % 49.1-148

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Notes and Definitions

- S-04 The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
QR-03 The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
ND Analyte NOT DETECTED at or above the reporting limit
RPD Relative Percent Difference
\*\* Samples not received at proper temperature of 6°C or below.
\*\*\* Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
Samples reported on an as received basis (wet) unless otherwise noted on report

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\*=Accredited Analyte

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager







CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>NTA Environmental</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>									
Project Manager: <u>Ethan Sessums</u>		P.O. #:											
Address: <u>209 W McKay Street</u>		Company: <u>NTA Environmental</u>											
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn:											
Phone #: <u>(254) 216-6456</u> Fax #:		Address:											
Project #: <u>248173</u> Project Owner: <u>Caza operation</u>		City:											
Project Name: <u>Lennox 32 State #002H</u>		State: Zip:											
Project Location: <u>Lea County, NM</u>		Phone #:											
Sampler Name: <u>Jill Smiley</u>		Fax #:											

Lab I.D.	Sample I.D.	GIRAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.			SAMPLING		DATE	TIME	BTX	TPH	Chloride
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER	ACID/BASE	ICE / COOL	OTHER						
<u>H241514</u>																		
<u>21</u>	<u>CS-21</u>	<u>(1)</u>	<u>1</u>			<u>1</u>							<u>3/22/24</u>	<u>10:40</u>	<u>I</u>	<u>I</u>	<u>I</u>	
<u>22</u>	<u>CS-22</u>	<u>(1)</u>	<u>1</u>											<u>10:42</u>	<u>I</u>	<u>I</u>	<u>I</u>	
<u>23</u>	<u>CS-23</u>	<u>(1)</u>	<u>1</u>											<u>10:44</u>	<u>I</u>	<u>I</u>	<u>I</u>	
<u>24</u>	<u>CS-24</u>	<u>(1)</u>	<u>1</u>											<u>10:46</u>	<u>I</u>	<u>I</u>	<u>I</u>	
<u>25</u>	<u>SW-1</u>	<u>(0-1)</u>	<u>1</u>											<u>10:48</u>	<u>I</u>	<u>I</u>	<u>I</u>	
<u>26</u>	<u>SW-2</u>	<u>(0-1)</u>	<u>1</u>											<u>10:50</u>	<u>I</u>	<u>I</u>	<u>I</u>	
<u>27</u>	<u>SW-3</u>	<u>(0-1)</u>	<u>1</u>											<u>10:52</u>	<u>I</u>	<u>I</u>	<u>I</u>	
<u>28</u>	<u>SW-4</u>	<u>(0-1)</u>	<u>1</u>											<u>10:54</u>	<u>I</u>	<u>I</u>	<u>I</u>	

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Relinquished By: <u>[Signature]</u>	Date: <u>3/22/24</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Add'l Phone #:
Relinquished By:	Time: <u>12:45</u>	Received By:	All Results are emailed. Please provide Email address:	
Delivered By: (Circle One)	Observed Temp. °C <u>4.9</u>	Sample Condition	Turnaround Time: <u>Standard</u>	Bacteria (only) Sample Condition
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	<input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
		Checked By: <u>[Signature]</u>	Thermometer ID #140	Observed Temp. °C
			Correction Factor 0°C	Corrected Temp. °C

FORM-006 R 3.4 07/11/23

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



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

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April 22, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: LENNOX 32 STATE #002H

Enclosed are the results of analyses for samples received by the laboratory on 04/16/24 12:32.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

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:	04/16/2024	Sampling Date:	04/16/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: CS - 16 ( 2' ) (H241995-01)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	100	2.00	3.35	
Toluene*	<0.050	0.050	04/17/2024	ND	2.18	109	2.00	4.14	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.21	110	2.00	4.63	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.57	110	6.00	5.09	
Total BTEX	<0.300	0.300	04/17/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/17/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 94.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.8 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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**Analytical Results For:**

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

Received:	04/16/2024	Sampling Date:	04/16/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 2A ( 0-1' ) (H241995-02)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	100	2.00	3.35	
Toluene*	<0.050	0.050	04/17/2024	ND	2.18	109	2.00	4.14	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.21	110	2.00	4.63	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.57	110	6.00	5.09	
Total BTEX	<0.300	0.300	04/17/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
<b>Chloride</b>	<b>16.0</b>	16.0	04/17/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	210	105	200	2.02	
<b>DRO &gt;C10-C28*</b>	<b>29.8</b>	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 86.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 85.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	04/16/2024	Sampling Date:	04/16/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 5 ( 1-2' ) (H241995-03)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	100	2.00	3.35	
Toluene*	<0.050	0.050	04/17/2024	ND	2.18	109	2.00	4.14	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.21	110	2.00	4.63	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.57	110	6.00	5.09	
Total BTEX	<0.300	0.300	04/17/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	04/17/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 65.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 64.0 % 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:	04/16/2024	Sampling Date:	04/16/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 6 ( 1-2' ) (H241995-04)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	100	2.00	3.35		
Toluene*	<0.050	0.050	04/17/2024	ND	2.18	109	2.00	4.14		
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.21	110	2.00	4.63		
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.57	110	6.00	5.09		
Total BTEX	<0.300	0.300	04/17/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 111 % 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	04/17/2024	ND	432	108	400	3.64		

TPH 8015M		mg/kg		Analyzed By: MS						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	210	105	200	2.02		
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14		
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND						

Surrogate: 1-Chlorooctane 80.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 77.4 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	04/16/2024	Sampling Date:	04/16/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 7 ( 1-2' ) (H241995-05)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	100	2.00	3.35	
Toluene*	<0.050	0.050	04/17/2024	ND	2.18	109	2.00	4.14	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.21	110	2.00	4.63	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.57	110	6.00	5.09	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	04/17/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	210	105	200	2.02	
<b>DRO &gt;C10-C28*</b>	<b>1120</b>	10.0	04/17/2024	ND	218	109	200	1.14	
<b>EXT DRO &gt;C28-C36</b>	<b>796</b>	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 66.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 78.4 % 49.1-148

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\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	04/16/2024	Sampling Date:	04/16/2024
Reported:	04/22/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Tamara Oldaker
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 8 ( 1-2' ) (H241995-06)**

BTEX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	04/17/2024	ND	2.01	100	2.00	3.35	
Toluene*	<0.050	0.050	04/17/2024	ND	2.18	109	2.00	4.14	
Ethylbenzene*	<0.050	0.050	04/17/2024	ND	2.21	110	2.00	4.63	
Total Xylenes*	<0.150	0.150	04/17/2024	ND	6.57	110	6.00	5.09	
Total BTEX	<0.300	0.300	04/17/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 109 % 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	04/17/2024	ND	432	108	400	3.64	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	04/17/2024	ND	210	105	200	2.02	
DRO >C10-C28*	<10.0	10.0	04/17/2024	ND	218	109	200	1.14	
EXT DRO >C28-C36	<10.0	10.0	04/17/2024	ND					

Surrogate: 1-Chlorooctane 80.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 79.7 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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*Celey D. Keene*

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>NTBI Environmental</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>					
Project Manager: <u>Ethan Sessums</u>		P.O. #:							
Address: <u>209 W McKay Street</u>		Company: <u>NTBI Environmental</u>							
City: <u>Carlsbad</u> State: <u>NM</u> Zip: <u>88220</u>		Attn: <u>Ethan Sessums</u>							
Phone #: <u>(254) 266-5456</u> Fax #:		Address:							
Project #: <u>248173</u> Project Owner: <u>Caza operating</u>		City:							
Project Name: <u>lennox 32 state #002H</u>		State: Zip:							
Project Location: <u>lea county, NM</u>		Phone #:							
Sampler Name: <u>Jill Smiley</u>		Fax #:							

FOR LAB USE ONLY		C (GRAB OR C) JUMP	# CONTAINERS	MATRIX					PRESERV.		SAMPLING		DATE	TIME	BTEX	TPH	Chloride
Lab I.D.	Sample I.D.			GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:					
<u>H241995</u>	<u>1 CS-16 (2')</u>	<u>C</u>	<u>1</u>			<u>S</u>						<u>9/16/24</u>	<u>11:00</u>	<u>I</u>	<u>I</u>	<u>I</u>	
	<u>2 SW-2A (0-1')</u>												<u>11:05</u>				
	<u>3 SW-5 (1-2')</u>												<u>11:10</u>				
	<u>4 SW-6 (1-2')</u>												<u>11:15</u>				
	<u>5 SW-7 (1-2')</u>												<u>11:20</u>				
	<u>6 SW-8 (1-2')</u>												<u>11:25</u>				

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Relinquished By: <u>[Signature]</u>	Date: <u>9/16/24</u>	Received By: <u>[Signature]</u>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>12:32</u>		All Results are emailed. Please provide Email address:
Relinquished By:	Date:	Received By:	REMARKS:
Time:			
Delivered By: (Circle One)	Observed Temp. °C <u>4.4</u>	Sample Condition	CHECKED BY: (Initials) <u>[Signature]</u>
Sampler - UPS - Bus - Other:	Corrected Temp. °C	Cool <input type="checkbox"/> Intact <input checked="" type="checkbox"/>	Turnaround Time: <b>Standard</b> <input checked="" type="checkbox"/> <b>Rush</b> <input type="checkbox"/>
		<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Bacteria (only) Sample Condition
			Cool <input type="checkbox"/> Intact <input type="checkbox"/>
			Observed Temp. °C
			Corrected Temp. °C

FORM 006 R 3.4 07/11/23

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

---

May 06, 2024

ETHAN SESSUMS

NTG ENVIRONMENTAL

701 TRADEWINDS BLVD. SUITE C

MIDLAND, TX 79706

RE: LENNOX 32 STATE #002H

Enclosed are the results of analyses for samples received by the laboratory on 04/30/24 12:23.

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](http://www.tceq.texas.gov/field/qa/lab_accred_certif.html).

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

A handwritten signature in black ink that reads "Celey D. Keene".

Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

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

Received:	04/30/2024	Sampling Date:	04/30/2024
Reported:	05/06/2024	Sampling Type:	Soil
Project Name:	LENNOX 32 STATE #002H	Sampling Condition:	Cool & Intact
Project Number:	248173	Sample Received By:	Shalyn Rodriguez
Project Location:	CAZA - LEA COUNTY NM		

**Sample ID: SW - 7 A ( 1-2' ) (H242294-01)**

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	05/02/2024	ND	2.12	106	2.00	4.63	
Toluene*	<0.050	0.050	05/02/2024	ND	2.08	104	2.00	3.98	
Ethylbenzene*	<0.050	0.050	05/02/2024	ND	2.04	102	2.00	3.75	
Total Xylenes*	<0.150	0.150	05/02/2024	ND	6.00	100	6.00	3.98	
Total BTEX	<0.300	0.300	05/02/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 94.1 % 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	144	16.0	05/02/2024	ND	432	108	400	3.77	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	05/02/2024	ND	220	110	200	0.929	
DRO >C10-C28*	<10.0	10.0	05/02/2024	ND	229	114	200	2.25	
EXT DRO >C28-C36	<10.0	10.0	05/02/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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Celey D. Keene, Lab Director/Quality Manager



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Notes and Definitions

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

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Celey D. Keene

Celey D. Keene, Lab Director/Quality Manager



CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <b>NTG Environmental</b>		<b>BILL TO</b>			<b>ANALYSIS REQUEST</b>															
Project Manager: <b>Ethan Sesoms</b>		P.O. #:																		
Address: <b>209 W McKay Street</b>		Company: <b>NTG Env.</b>																		
City: <b>Carlsbad</b> State: <b>NM</b> Zip: <b>88220</b>		Attn: <b>Ethan Sesoms</b>																		
Phone #: <b>(254) 266-5456</b> Fax #:		Address:																		
Project #: <b>248173</b> Project Owner: <b>Caza operating</b>		City:																		
Project Name: <b>Lennox 32 State #002H</b>		State: Zip:																		
Project Location: <b>Lea County, NM</b>		Phone #:																		
Sampler Name: <b>Jill Smiley</b>		Fax #:																		
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING												
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER :	ACID/BASE:	ICE / COOL	OTHER :	DATE	TIME						
<b>H242294</b>	<b>SW-7A (1-2')</b>	<b>C1</b>				<b>S</b>							<b>4/30/24</b>	<b>10:30</b>	<b>✓</b>	<b>✓</b>	<b>✓</b>	<b>BTEX</b>	<b>TPH</b>	<b>Chloride</b>

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Relinquished By: <b>Juni Juny</b>	Date: <b>4/30/24</b>	Received By: <b>Shacki Query</b>	Verbal Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:	
	Time: <b>12:23</b>		All Results are emailed. Please provide Email address:		
Relinquished By:	Date:	Received By:	REMARKS:		
	Time:				
Delivered By: (Circle One)	Observed Temp. °C: <b>59c</b>	Sample Condition: <input checked="" type="checkbox"/> Cool <input checked="" type="checkbox"/> Intact	CHECKED BY: <b>SR</b>	Turnaround Time: <input checked="" type="checkbox"/> Standard <input type="checkbox"/> Rush	Bacteria (only) Sample Condition: <input type="checkbox"/> Cool <input type="checkbox"/> Intact
Sampler - UPS - Bus - Other:	Corrected Temp. °C:	<input type="checkbox"/> Yes <input type="checkbox"/> No		Thermometer ID #140	<input type="checkbox"/> Yes <input type="checkbox"/> No
		<input type="checkbox"/> No <input type="checkbox"/> No		Correction Factor 0°C	Observed Temp. °C
					Corrected Temp. °C

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 811 S. First St., Artesia, NM 88210  
 Phone:(575) 748-1283 Fax:(575) 748-9720  
**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS

Action 345140

**QUESTIONS**

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 345140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAPP2401533380
Incident Name	NAPP2401533380 LENNOX 32 STATE #002H @ 30-025-40451
Incident Type	Oil Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-025-40451] LENNOX 32 STATE #002H

<b>Location of Release Source</b>	
<i>Please answer all the questions in this group.</i>	
Site Name	LENNOX 32 STATE #002H
Date Release Discovered	01/15/2023
Surface Owner	State

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

<b>Nature and Volume of Release</b>	
<i>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.</i>	
Crude Oil Released (bbls) Details	Cause: Freeze   Flow Line - Production   Crude Oil   Released: 10 BBL   Recovered: 0 BBL   Lost: 10 BBL.
Produced Water Released (bbls) Details	Not answered.
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.

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 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 2

Action 345140

**QUESTIONS (continued)**

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 345140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

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

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

*Per Paragraph (4) of Subsection B of 19.15.29.8 NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please prepare and attach a narrative of actions to date in the follow-up C-141 submission. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC), please prepare and attach all information needed for closure evaluation in the follow-up C-141 submission.*

I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.

I hereby agree and sign off to the above statement	Name: Kelly Arrendondo Title: Production Reporting Manager Email: karredondo@ntglobal.com Date: 01/16/2024
--	---

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

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
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 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170  
**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

**QUESTIONS (continued)**

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 345140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Site Characterization**  
 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.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 100 and 500 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	Greater than 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1000 (ft.) and ½ (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	Yes

**Remediation Plan**  
 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.

Requesting a remediation plan approval with this submission	Yes
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.	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)		
Chloride	(EPA 300.0 or SM4500 Cl B)	144
TPH (GRO+DRO+MRO)	(EPA SW-846 Method 8015M)	1916
GRO+DRO	(EPA SW-846 Method 8015M)	1120
BTEX	(EPA SW-846 Method 8021B or 8260B)	0
Benzene	(EPA SW-846 Method 8021B or 8260B)	0

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.

On what estimated date will the remediation commence	03/04/2024
On what date will (or did) the final sampling or liner inspection occur	04/30/2024
On what date will (or was) the remediation complete(d)	05/10/2024
What is the estimated surface area (in square feet) that will be reclaimed	4892
What is the estimated volume (in cubic yards) that will be reclaimed	194
What is the estimated surface area (in square feet) that will be remediated	4892
What is the estimated volume (in cubic yards) that will be remediated	194

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.

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.

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 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 4

Action 345140

**QUESTIONS (continued)**

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 345140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Remediation Plan (continued)**

*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.*

**This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:**

*(Select all answers below that apply.)*

(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	J&L LANDFARM [FEEM0112339187]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	No
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	No
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	No
(In Situ) Soil Vapor Extraction	No
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	No
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	No
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	No
Ground Water Abatement pursuant to 19.15.30 NMAC	No
OTHER (Non-listed remedial process)	No

*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 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: 05/16/2024
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*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.*

**District I**  
 1625 N. French Dr., Hobbs, NM 88240  
 Phone:(575) 393-6161 Fax:(575) 393-0720

**District II**  
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 Phone:(575) 748-1283 Fax:(575) 748-9720

**District III**  
 1000 Rio Brazos Rd., Aztec, NM 87410  
 Phone:(505) 334-6178 Fax:(505) 334-6170

**District IV**  
 1220 S. St Francis Dr., Santa Fe, NM 87505  
 Phone:(505) 476-3470 Fax:(505) 476-3462

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

QUESTIONS, Page 5

Action 345140

**QUESTIONS (continued)**

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 345140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Deferral Requests Only**

*Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.*

Requesting a deferral of the remediation closure due date with the approval of this submission	No
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QUESTIONS, Page 6

Action 345140

**QUESTIONS (continued)**

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 345140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Sampling Event Information</b>	
Last sampling notification (C-141N) recorded	<b>337904</b>
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	<b>04/30/2024</b>
What was the (estimated) number of samples that were to be gathered	<b>1</b>
What was the sampling surface area in square feet	<b>200</b>

<b>Remediation Closure Request</b>	
<i>Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.</i>	
Requesting a remediation closure approval with this submission	<b>Yes</b>
Have the lateral and vertical extents of contamination been fully delineated	<b>Yes</b>
Was this release entirely contained within a lined containment area	<b>No</b>
All areas reasonably needed for production or subsequent drilling operations have been stabilized, returned to the sites existing grade, and have a soil cover that prevents ponding of water, minimizing dust and erosion	<b>Yes</b>
What was the total surface area (in square feet) remediated	<b>4892</b>
What was the total volume (cubic yards) remediated	<b>194</b>
All areas not reasonably needed for production or subsequent drilling operations have been reclaimed to contain a minimum of four feet of non-waste contain earthen material with concentrations less than 600 mg/kg chlorides, 100 mg/kg TPH, 50 mg/kg BTEX, and 10 mg/kg Benzene	<b>Yes</b>
What was the total surface area (in square feet) reclaimed	<b>4892</b>
What was the total volume (in cubic yards) reclaimed	<b>194</b>
Summarize any additional remediation activities not included by answers (above)	<b>N/A</b>

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

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

I hereby agree and sign off to the above statement	Name: Kelly Arrendondo Title: Production Reporting Manager Email: karrendondo@ntglobal.com Date: 05/16/2024
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QUESTIONS, Page 7

Action 345140

**QUESTIONS (continued)**

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 345140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

**Reclamation Report**

*Only answer the questions in this group if all reclamation steps have been completed.*

Requesting a reclamation approval with this submission	No
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CONDITIONS  
 Action 345140

**CONDITIONS**

Operator: CAZA OPERATING, LLC 200 N Loraine St Midland, TX 79701	OGRID: 249099
	Action Number: 345140
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
nvelez	None	6/10/2024