



PREPARED BY:  
PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR:  
DEVON ENERGY PRODUCTION CO, LP

LONE TREE DRAW 13 STATE COM #2H  
Incident ID nAB1909833450

## Remediation Closure Report

December 19, 2024

NMOCD District 2  
811 S. First Street  
Artesia, NM 88210

**Re: Remediation Closure Report**  
**Lone Tree Draw 13 State Com #2H**  
**API # 30-015-40372**  
**NMOCD Incident ID nAB19098333450**  
**ULSTR - D - 13 - 21S - 27E      0 FNL 0 FEL      Eddy County, NM**  
**GPS Coordinates: Latitude 32.4871712 Longitude -104.1494293**

This produced water release was discovered by the operator on August 24, 2018. The initial C-141 form was submitted on April 3, 2019, and approved on April 8, 2019 (Appendix C). This incident was assigned Incident ID nAB1909833450 by the New Mexico Oil Conservation Division (NMOCD).

### **Release Information**

**nAB1909833450:** On August 24, 2018, approximately 5.336 bbls of pw was released as a result of tank overflow. All lines were shut in to prevent further release. 5bbls of produced water was recovered via vacuum truck. All fluid remained within the lined containment.

### **Site Characterization**

The Lone Tree Draw 13 State Com #2H (Lone Tree) is located approximately six (6) miles northeast of Carlsbad, NM. This release area is in Unit D, Section 13, Township 21S, Range 27E, Latitude 32.4871712 Longitude -104.1494293, Eddy County, NM. Figure 2 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is Eolian deposits; Holocene to middle Pleistocene. The soil in this area is made up of Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded according to the United States Department of Agriculture Natural Resources Conservation Service soil survey. The drainage class in this area is well drained (Appendix B). A Topographic Map can be found in Figure 3. The nearest surface water feature is Lake Avalon located approximately 5.13 miles to the west of this release area. There is a high potential for karst geology to be present around the Lone Tree (Figure 4).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 45 feet below grade surface (bgs). NMOSE pod C-03864-POD1 is located approximately 1.17 miles away from this site. According to the United States Geological Survey well water data for USGS 323021104082201 21S.27E.01.43222, depth to the nearest groundwater in this area is 12 feet bgs. The groundwater information from this well is situated approximately 1.35 miles away from this site. For detailed references to Water Surveys and Water-Related Maps, please refer to Appendix A. The closure criteria for this area will be classified under the less than 50-foot depth to groundwater section of Table 1 19.15.29.12 NMAC due to the high karst potential of the area.

The Lone Tree is located within Zone X – Area of Minimal Flood Hazard according to the National Flood Hazard Layer FIRMette produced by FEMA. According to the U.S. Fish and Wildlife Service National Wetlands Inventory, a Riverine is located approximately 0.22 miles east of the Lone Tree release area.

### **Site Assessment and Delineation Activities**

On October 10, 2018, Talon mobilized personnel to begin the site assessment and soil sampling activities for the construction of a work plan. Grab soil samples were collected within and around the impacted area utilizing a hand auger. Results from the initial sampling event are presented in the Data Tables in Figure 1.

On January 15, 2019, Talon mobilized equipment and personnel to the site to carry out additional delineation activities. Soil samples were collected at greater depths with a backhoe in accessible areas not containing flowlines or infrastructure. Results from this sampling event can be seen in the Data Tables referenced in Figure 1. A Talon Map 2018-19 can be found in Figure 5. Photographic Documentation from Talon can be found in Appendix D.

On March 22, 2024, after submitting the 48-hour notification of a liner inspection (OCD Online: Permitting – Application ID:324899), Pima Environmental conducted a liner inspection at this location. Pima concluded that this liner and

containment maintained its integrity and was able to retain the fluids. The Liner Inspection Form and Photographic Documentation can be found in Appendix D.

### **Closure Report Rejected**

The OCD has rejected the submitted Application for administrative approval of a release notification and corrective action (C-141), for incident ID (n#) nAB1909833450, for the following reasons:

- **In the Soil Assessment and Remediation Work Plan dated 2/12/2019 that can be found in the incident files, the release and subsequent delineation activities occurred in a different location than what is depicted in the attached liner inspection closure report. Approval of the 2019 work plan can be found in the incident files. Additional correspondence can also be found in the incident files. Closure will not be approved until the contamination documented in the 2019 work plan has been remediated. 2RP-5342 closed. Refer to incident number nAB1909833450 in all future correspondence. Submit a complete report through the OCD Permitting website by 6/26/2024.**

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 325938. Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

### **Remediation Activities**

On April 29, 2024, the Devon construction department and Pima Environmental mobilized personnel and equipment to the site to begin remediation activities. Several areas were marked/flagged for excavation at various depths. The area surrounding S-1 and S-2 from the Talon Map 2018-19 (Figure 5) along with a large area within the 3-phase separators and the area surrounding S-8, were excavated to a depth of 1.5' bgs. The area surrounding S-4 was excavated to a depth of 6' bgs. The area surrounding S-5 was excavated to a depth of 3' bgs. The area surrounding S-6 was excavated to a depth of 1' bgs. The area surrounding S-7 was excavated to a depth of 4' bgs. These excavations were performed by hand-tools, and mechanical excavation means. Caution was taken to protect foundations and supports for vessels, plumbing, and electrical infrastructure. The total combined areas excavated measure approximately 6,266 square feet and calculate to approximately 287 cubic yards of soil. The contaminated soil was hauled to the R360 disposal site and clean, like material was brought back to backfill the excavated areas. The right of way areas north of the 3-phase separators were backfilled with topsoil from the nearest available resource. All areas were packed and contoured to match their original state. Photographic Documentation can be found in Appendix D.

On May 3, 2024, Devon submitted a 48-hour sampling notification (Appendix C) for the confirmation sampling event of this incident. This notification can also be found in OCD Online: Permitting – Action Status, under the Application ID: 340648.

On May 7, 2024, Pima personnel returned to the location to begin collecting 5-point composite confirmation samples of the excavated areas. Composite samples were collected from the base and walls of each excavated area. A Confirmation Sample Map(a) can be found in Figure 6.

A total of 40 samples were collected, put on ice, jarred, then delivered to Envirotech Labs for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. This release area is in a high karst potential zone, which classifies the closure criteria as less than 50 feet to groundwater. The Data Table showing these sample results can be found in Figure 1. Complete Laboratory Reports can be found in Appendix E.

The sample results received showed elevated levels of TPH still existed at sample point CS15 which was excavated to a depth of 6" bgs.

On December 12, 2024, Pima personnel and the Devon construction department returned to the site to excavate the CS15 sample point area to a depth of 1' bgs. The excavated area measured approximately 10' x 20' (200 square feet) and calculates to approximately 7.5 cubic yards of soil. This soil was excavated by mechanical excavation means and hauled to Lea Land Disposal, an approved NMOCD disposal site. Clean, like material was brought back to the site for backfilling.

On December 12, 2024, Devon submitted a 48-hour sampling notification (Appendix C) for the confirmation sampling event of this incident. This notification can also be found in OCD Online: Permitting – Action Status, under the Application ID: 411121.

On December 14, 2024, Pima personnel returned to the location to collect 5-point composite confirmation samples of the excavated area. One composite sample was collected from the base, and one was collected from the walls of the excavation. A Confirmation Sample Map(b) can be found in Figure 7. A total of 2 composite confirmation samples were collected, put on ice, jarred, then delivered to Envirotech Labs for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. The results of this sampling event can be found in the Data Tables in Figure 1.

### **Closure Approval Request**

Devon has complied with the applicable requirements set forth in 19.15.29.12 NMAC and requests that this remediation closure report for incident ID nAB1909833450 be approved.

For questions or additional information, please feel free to contact:

Devon Energy Production – Jim Raley at 575-689-7597 or [jim.ralej@devon.com](mailto:jim.ralej@devon.com).

Pima Environmental Services – Tom Bynum at 580-748-1613 or [tom@pimaoil.com](mailto:tom@pimaoil.com).

### **Attachments**

Figures:

- 1- Data Tables
- 2- Location Map
- 3- Topographic Map
- 4- Karst Map
- 5- Talon Map 2018-19
- 6- Confirmation Sample Map(a)
- 7- Confirmation Sample Map(b)

Appendices:

- Appendix A – Water Surveys & Water-Related Maps
- Appendix B – Soil Survey & Geological Data
- Appendix C – Initial C141 Form & 48-Hour Notifications
- Appendix D – Photographic Documentation & Liner Inspection Form
- Appendix E – Laboratory Reports



## ***Figures:***

**Data Tables**

**Location Map**

**Topographic Map**

**Karst Map**

**Talon 2018-19 Map**

**Confirmation Sample Map(a)**

**Confirmation Sample Map(b)**

Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)
S-1	0	<0.300	32.0	<10.0	546	176	722
	1	<0.300	48.0	<10.0	126	26.9	152.9
Refusal	2	<0.300	64.0	<10.0	41.1	<10.0	41.1
S-2	0	0.494	32.0	<10.0	27.7	<10.0	27.7
	1	<0.300	32.0	<10.0	27.0	<10.0	27.0
	2	<0.300	32.0	<10.0	<10.0	<10.0	<10.0
Refusal	3	<0.300	32.0	<10.0	<10.0	<10.0	<10.0
S-3	0	83.8	<16.0	490	3640	554	4684
	1	109	48.0	475	1880	238	2593
Refusal	2	<0.300	64.0	<10.0	16.9	<10.0	16.9
Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)
S-4	0	<0.300	48.0	<10.0	332	77.4	409.4
	1	<0.300	48.0	<10.0	<10.0	<10.0	<10.0
	2	<0.300	32.0	<10.0	20.2	<10.0	20.2
Refusal	3	<0.300	32.0	<10.0	<10.0	<10.0	<10.0
S-5	0	100	64.0	1300	8670	1030	11000
	1	4.46	48.0	65.4	1120	186	1371.4
	2	<0.300	<16.0	<10.0	62.6	16.3	78.9
	3	<0.300	48.0	<10.0	297	49.6	346.6
	4	<0.300	48.0	<10.0	58.9	11.1	70.0
S-6	0	93.2	80.0	863	8040	1110	10013
Refusal	0.5	67.7	96.0	639	9730	1560	11929
Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)
S-6	0	0.542	64.0	12.9	595	110	717.9
	2	<0.300	96.0	<10.0	10.0	<10.0	10.0
	4	<0.300	32.0	<10.0	<10.0	<10.0	<10.0
	6	<0.300	<16.0	<10.0	<10.0	<10.0	<10.0
	8	<0.300	<16.0	<10.0	<10.0	<10.0	<10.0
	10	<0.300	<16.0	<10.0	<10.0	<10.0	<10.0
	12	<0.300	16.0	<10.0	<10.0	<10.0	<10.0
S-7	0	50.1	48.0	1410	8110	1430	10950
	2	<0.300	80.0	<10.0	109	73.1	182.1
	4	<0.300	48.0	<10.0	208	28.4	236.4
	6	<0.300	16.0	<10.0	<10.0	<10.0	<10.0
	8	<0.300	16.0	<10.0	14.2	<10.0	14.2
	10	<0.300	<16.0	<10.0	<10.0	<10.0	<10.0
	12	<0.300	<16.0	<10.0	<10.0	<10.0	<10.0
Sample ID	Depth (feet)	BTEX (mg/kg)	Chlorides (mg/kg)	TPH GRO (mg/kg)	TPH DRO (mg/kg)	TPH MRO (mg/kg)	Total TPH (mg/kg)
S-8	0	<0.300	128	<10.0	4560	1480	6040
	1	<0.300	448	<10.0	130	93.9	223.9
	2	<0.300	176	<10.0	38.7	19.6	58.3
	3	<0.300	80.0	<10.0	70.0	<10.0	70.0
S-9	0	<0.300	<16.0	<10.0	<10.0	<10.0	<10.0
S-10	0	<0.300	<16.0	<10.0	<10.0	<10.0	<10.0
S-11	0	<0.300	64.0	<10.0	<10.0	<10.0	<10.0
S-12	0	<0.300	<16.0	<10.0	<10.0	<10.0	<10.0

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - Lone Tree Draw 13 State Com #002H - nAB1909833450								
Date: 5/7/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
CS1	1.5'	ND	ND	ND	ND	ND	0	ND
CS2	1'	ND	ND	ND	29.7	ND	29.7	ND
CS3	4'	ND	ND	ND	ND	ND	0	ND
CS4	3'	ND	ND	ND	ND	ND	0	ND
CS5	1.5'	ND	ND	ND	ND	ND	0	ND
CS6	1.5'	ND	ND	ND	ND	ND	0	ND
CS7	1.5'	ND	ND	ND	ND	ND	0	ND
CS8	1.5'	ND	ND	ND	ND	ND	0	ND
CS9	1.5'	ND	ND	ND	ND	ND	0	ND
CS10	1.5'	ND	ND	ND	ND	ND	0	ND
CS11	6"	ND	ND	ND	ND	ND	0	ND
CS12	6"	ND	ND	ND	ND	ND	0	ND
CS13	6"	ND	ND	ND	ND	ND	0	ND
CS14	6"	ND	ND	ND	ND	ND	0	ND
CS15	6"	ND	ND	ND	71.5	64.5	136	ND
CS16	6"	ND	ND	ND	30.7	ND	30.7	ND
CS17	6"	ND	ND	ND	33.3	ND	33.3	ND
CS18	6"	ND	ND	ND	91.3	ND	91.3	ND
CS19	1.5'	ND	ND	ND	49.3	ND	49.3	ND
CS20	1.5'	ND	ND	ND	ND	ND	0	ND
CS21	1.5'	ND	ND	ND	47.1	ND	47.1	ND
CSW1	3'	ND	ND	ND	ND	ND	0	ND
CSW2	3'	ND	ND	ND	ND	ND	0	ND
CSW3	1.5'	ND	ND	ND	ND	ND	0	ND
CSW4	1.5'	ND	ND	ND	ND	ND	0	ND
CSW5	1.5'	ND	ND	ND	ND	ND	0	ND
CSW6	1.5'	ND	ND	ND	ND	ND	0	ND
CSW7	1.5'	ND	ND	ND	ND	ND	0	ND
CSW8	1.5'	ND	ND	ND	ND	ND	0	ND
CSW9	6"	ND	ND	ND	ND	ND	0	ND
CSW10	6"	ND	ND	ND	ND	ND	0	ND
CSW11	6"	ND	ND	ND	ND	ND	0	ND
CSW12	6"	ND	ND	ND	ND	ND	0	ND
CSW13	6"	ND	ND	ND	ND	ND	0	ND
CSW14	6"	ND	ND	ND	35.1	ND	35.1	ND
CSW15	6"	ND	ND	ND	28.4	ND	28.4	ND
CSW16	1.5'	ND	ND	ND	ND	ND	0	ND
CSW17	1.5'	ND	ND	ND	ND	ND	0	ND
CSW18	1.5'	ND	ND	ND	ND	ND	0	ND
CSW19	1.5'	ND	ND	ND	ND	ND	0	ND

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - Lone Tree Draw 13 State Com #002H - nAB1909833450								
Date: 12/14/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
C15-1'	1'	ND	ND	ND	ND	ND	ND	ND
W15-1'	1'	ND	ND	ND	ND	ND	ND	ND

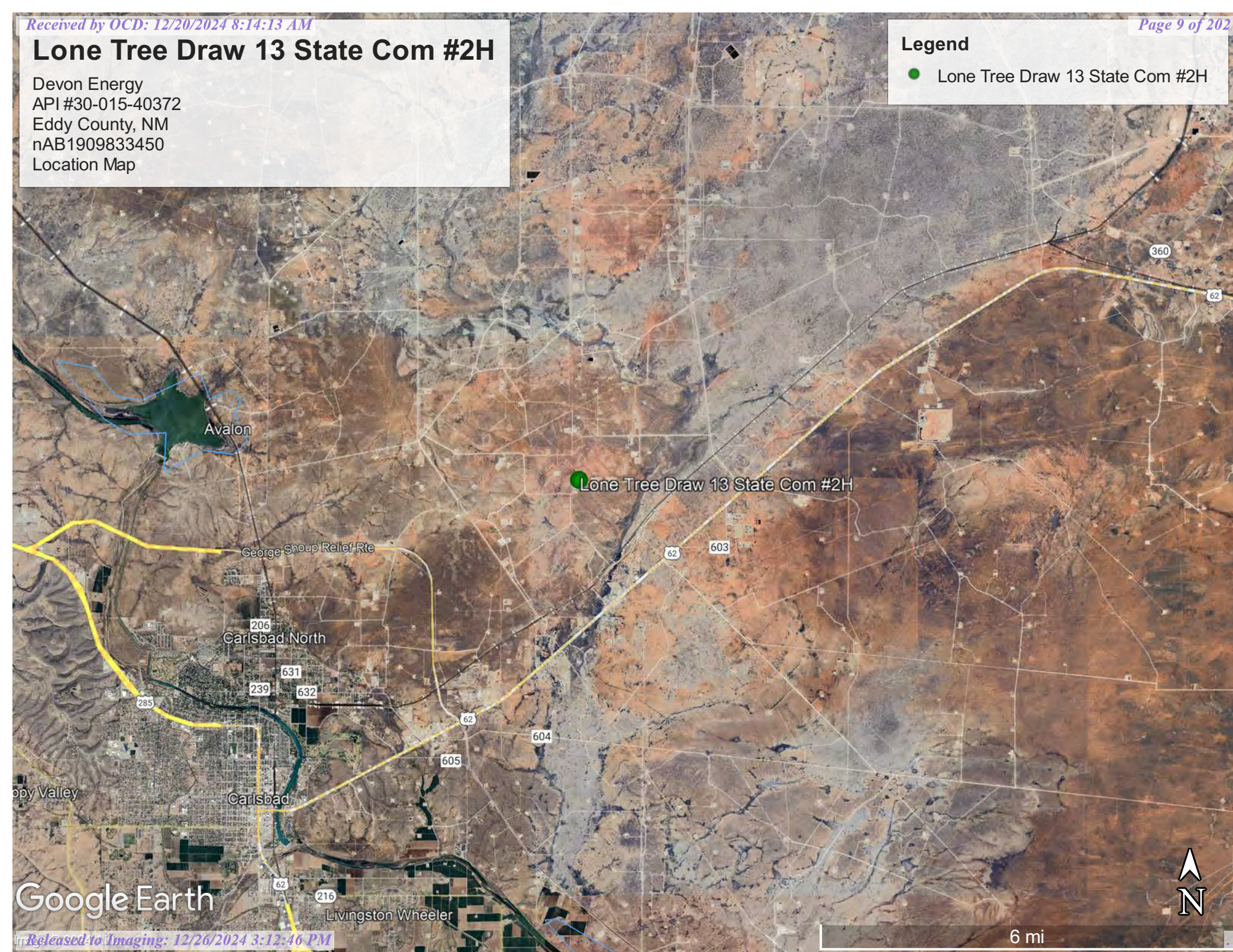


# Lone Tree Draw 13 State Com #2H

Devon Energy  
API #30-015-40372  
Eddy County, NM  
nAB1909833450  
Location Map

## Legend

- Lone Tree Draw 13 State Com #2H



Google Earth

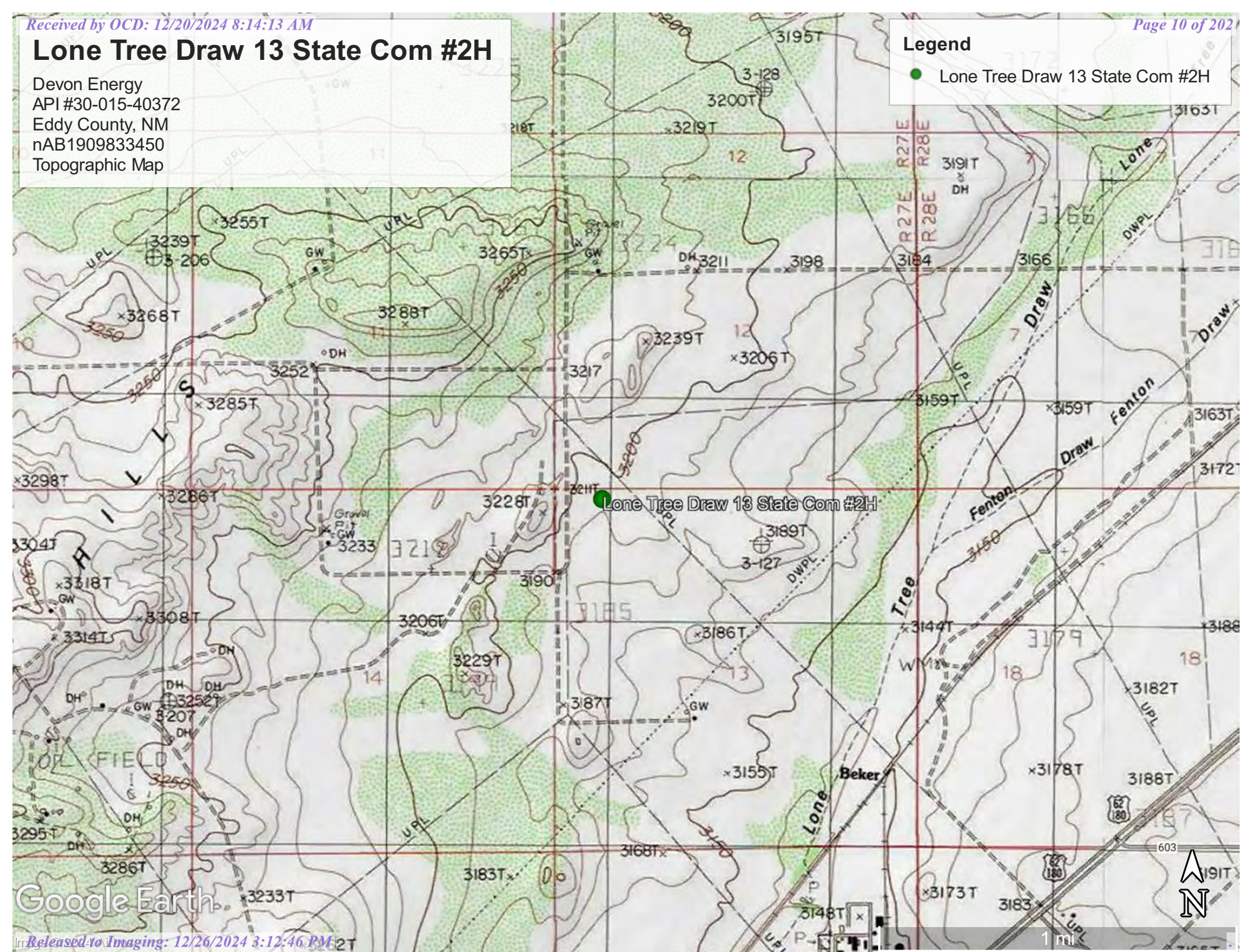


# Lone Tree Draw 13 State Com #2H

Devon Energy  
API #30-015-40372  
Eddy County, NM  
nAB1909833450  
Topographic Map

## Legend

- Lone Tree Draw 13 State Com #2H



Google Earth



# Lone Tree Draw 13 State Com #2H

Devon Energy  
API #30-015-40372  
Eddy County, NM  
nAB1909833450  
Karst Map

## Legend

- High Karst
- Low Karst
- Medium Karst

Lone Tree Draw 13 State Com #2H

180

603

603

62



1 mi

Google Earth

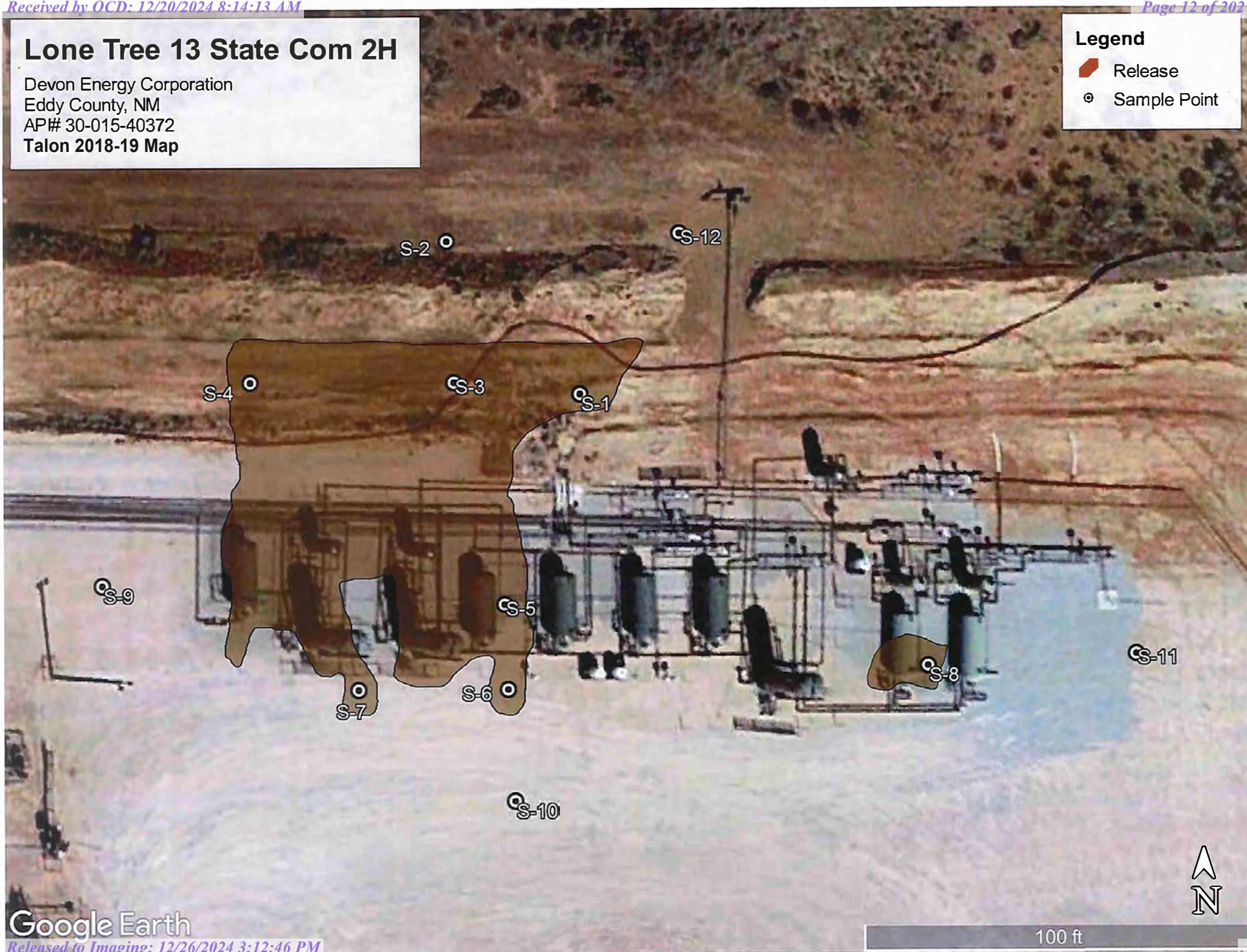


# Lone Tree 13 State Com 2H

Devon Energy Corporation  
Eddy County, NM  
AP# 30-015-40372  
Talon 2018-19 Map

## Legend

- Release
- Sample Point



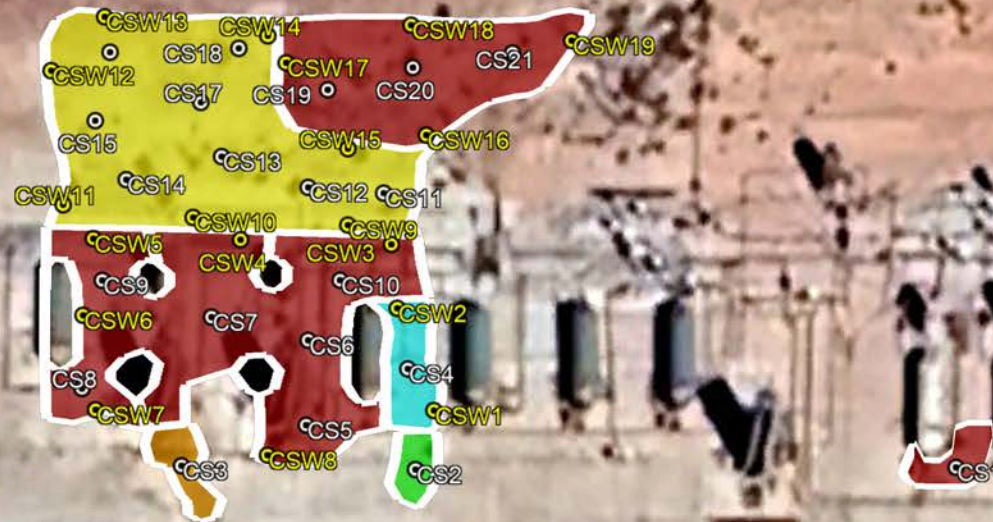


# Lone Tree Draw 13 State Com #2H

Devon Energy  
API #30-015-40372  
Eddy County, NM  
nAB1909833450  
Confirmation Sample Map(a)

## Legend

- 1' Excavation (112 sqft)
- 1.5' Excavation (3,443 sqft)
- 3' Excavation (244 sqft)
- 4' Excavation (148 sqft)
- 6" Excavation (2,319 sqft)
- Confirmation base samples
- Confirmation wall samples



32.487243, -104.149422

Lone Tree Draw 13 State Com #2H

Google Earth

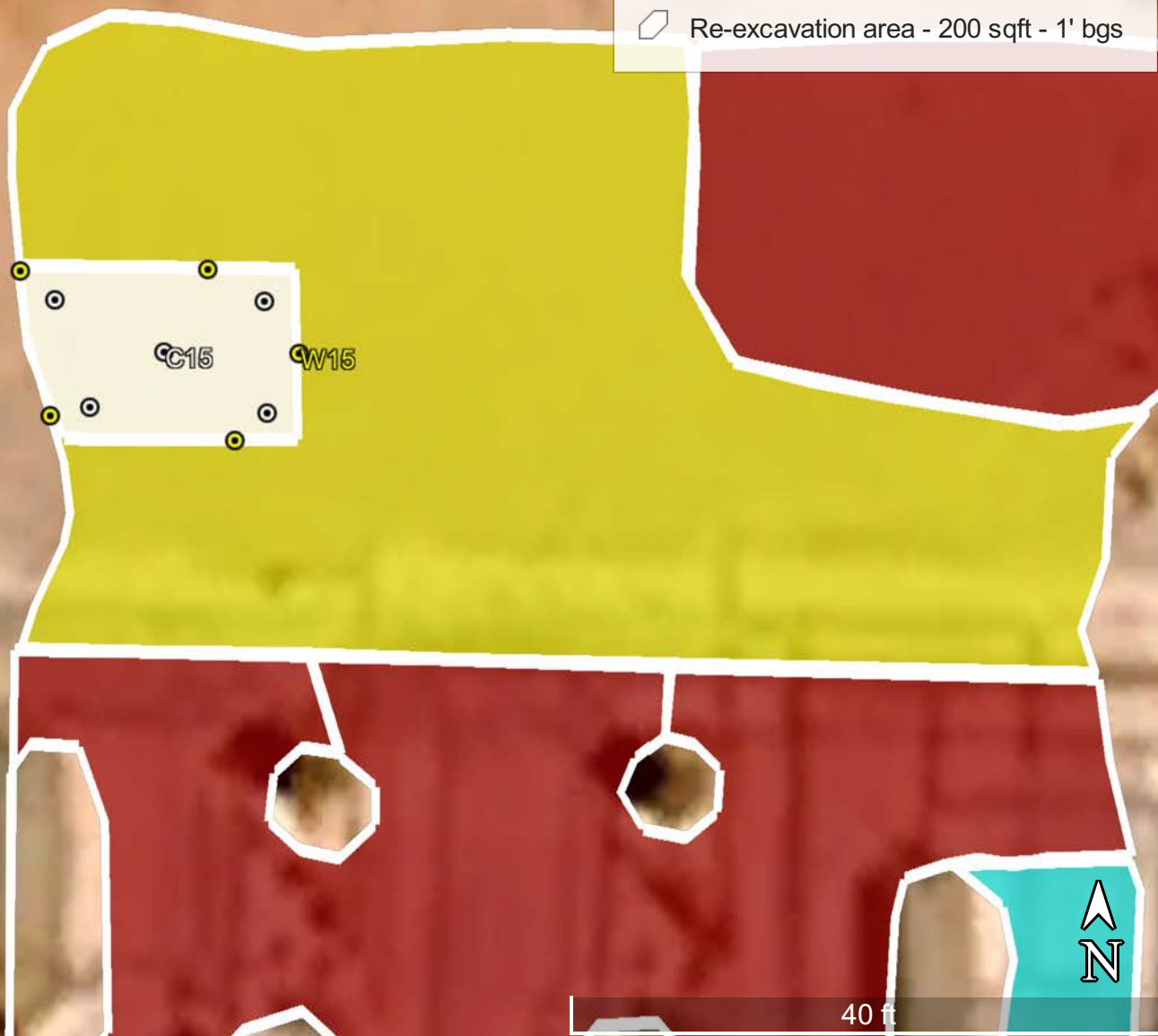


# Lone Tree Draw 13 State Com 2H

Devon Energy  
API #30-015-40372  
Eddy County, NM  
nAB1909833450  
Confirmation Sample Map(b)

## Legend

- 1' Excavation (112 sqft)
- 1.5' Excavation (3,443 sqft)
- 3' Excavation (244 sqft)
- 4' Excavation (148 sqft)
- 6" Excavation (2,319 sqft)
- Confirmation base sample
- Confirmation wall sample
- Re-excitation area - 200 sqft - 1' bgs



Google Earth



# ***Appendix A***

## **Water Surveys**

## **Water Related Maps**



# New Mexico Office of the State Engineer

## Water Column/Average Depth to Water

(A CLW##### in the POD suffix indicates the POD has been replaced & no longer serves a water right file.)

(R=POD has been replaced,  
O=orphaned,  
C=the file is closed)

(quarters are 1=NW 2=NE 3=SW 4=SE)

(quarters are smallest to largest) (NAD83 UTM in meters)

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
<a href="#">C 00473</a>	C	CUB	ED	3	2	14	21S	27E		579087	3594177*	989	562		
<a href="#">C 00465</a>	C	CUB	ED	3	2	1	14	21S	27E	578576	3594475*	1331			
<a href="#">C 00466</a>	C	CUB	ED	3	3	1	14	21S	27E	578173	3594066*	1843	538		
<a href="#">C 03864 POD1</a>		CUB	ED	2	4	4	13	21S	27E	581218	3593472	1876	160	45	115
<a href="#">C 03272 POD1</a>		CUB	ED	4	3	1	18	21S	28E	581632	3594114*	1881	22	9	13
<a href="#">C 03607 POD1</a>		CUB	ED	2	2	2	24	21S	27E	581145	3593139	2076	275	10	265
<a href="#">C 00469</a>	C	CUB	ED	1	4	02	21S	27E		579078	3596994*	2352	767		
<a href="#">C 03690 POD1</a>		C	ED	4	1	4	10	21S	27E	577482	3595179	2423	200		
<a href="#">C 00370</a>	C	CUB	ED	4	4	15	21S	27E		577874	3593350*	2457			
<a href="#">C 03268 POD1</a>		CUB	ED	4	2	4	01	21S	27E	581201	3596915	2514	48	13	35
<a href="#">C 02992</a>		C	ED	3	3	2	01	21S	27E	580594	3597311*	2632	250	186	64
<a href="#">C 00314</a>		C	ED	1	4	24	21S	27E		580742	3592180*	2741	397		
<a href="#">C 03350</a>		C	ED	1	4	2	01	21S	27E	580896	3597476	2884	76	8	68

Average Depth to Water: **45 feet**

Minimum Depth: **8 feet**

Maximum Depth: **186 feet**

**Record Count:** 13

**UTMNAD83 Radius Search (in meters):**

**Easting (X):** 579872.36

**Northing (Y):** 3594779.63

**Radius:** 3000

\*UTM location was derived from PLSS - see Help

The data is furnished by the NMOSE/ISC and is accepted by the recipient with the expressed understanding that the OSE/ISC make no warranties, expressed or implied, concerning the accuracy, completeness, reliability, usability, or suitability for any particular purpose of the data.

7/11/24 7:30 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



## OSE POD Location Map



7/11/2024, 8:32:52 AM

GIS WATERS PODs



Pending



Plugged



OSE District Boundary



Water Right Regulations



Artesian Planning Area

New Mexico State Trust Lands

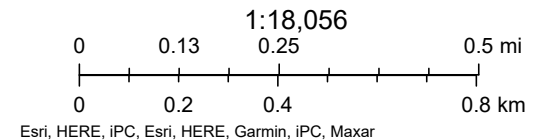


Subsurface Estate

NHD Flowlines



Stream River





[USGS Home](#)  
[Contact USGS](#)  
[Search USGS](#)

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

- Explore the *NEW* [USGS National Water Dashboard](#) interactive map to access real-time water data from over 13,500 stations nationwide.

Groundwater levels for the Nation

 Important: [Next Generation Monitoring Location Page](#)

### Search Results -- 1 sites found

site\_no list =

- 323021104082201

Minimum number of levels = 1

[Save file of selected sites](#) to local disk for future upload

### USGS 323021104082201 21S.27E.01.43222

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°30'21", Longitude 104°08'22" NAD27

Land-surface elevation 3,193 feet above NAVD88

The depth of the well is 30 feet below land surface.

This well is completed in the Other aquifers (N9999OTHER) national aquifer.

This well is completed in the Rustler Formation (312RSLR) local aquifer.

#### Output formats

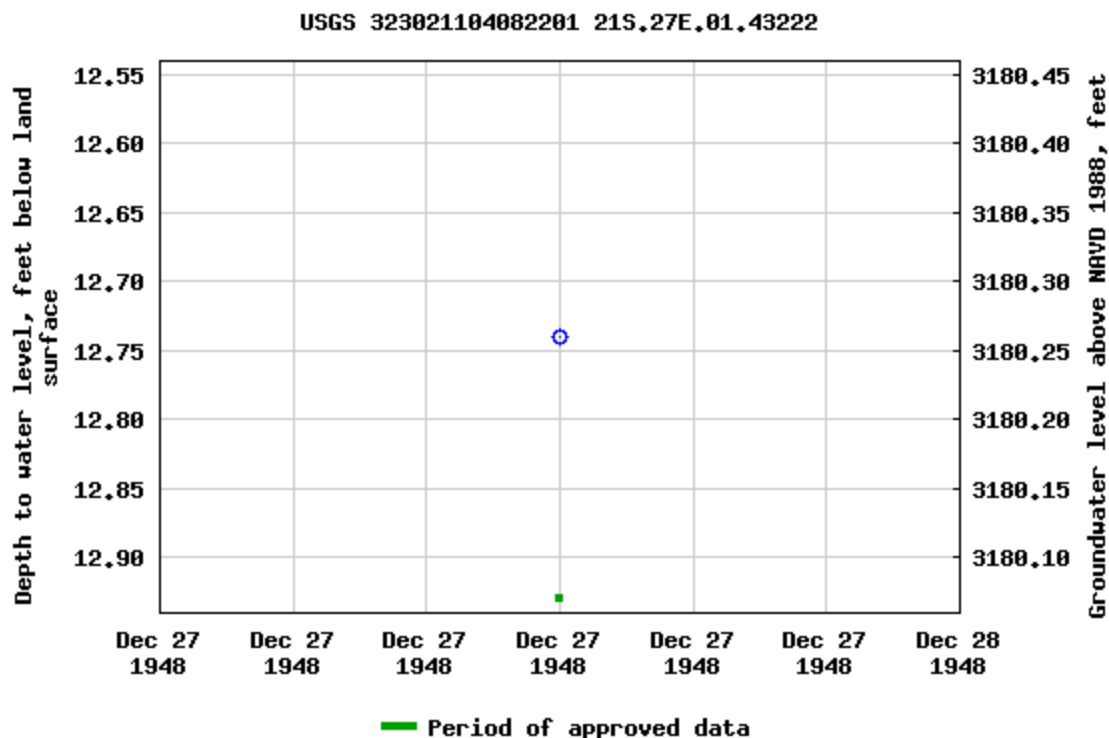
[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)





Breaks in the plot represent a gap of at least one year between field measurements.

[Download a presentation-quality graph](#)

[Questions or Comments](#)

[Help](#)

[Data Tips](#)

[Explanation of terms](#)

[Subscribe for system changes](#)

[Accessibility](#)

[FOIA](#)

[Privacy](#)

[Policies and Notices](#)

[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)

**Title: Groundwater for USA: Water Levels**

**URL: <https://nwis.waterdata.usgs.gov/nwis/gwlevels?>**



Page Contact Information: [USGS Water Data Support Team](#)

Page Last Modified: 2024-07-11 09:36:03 EDT

0.55 0.49 nadww02



## National Water Information System: Mapper



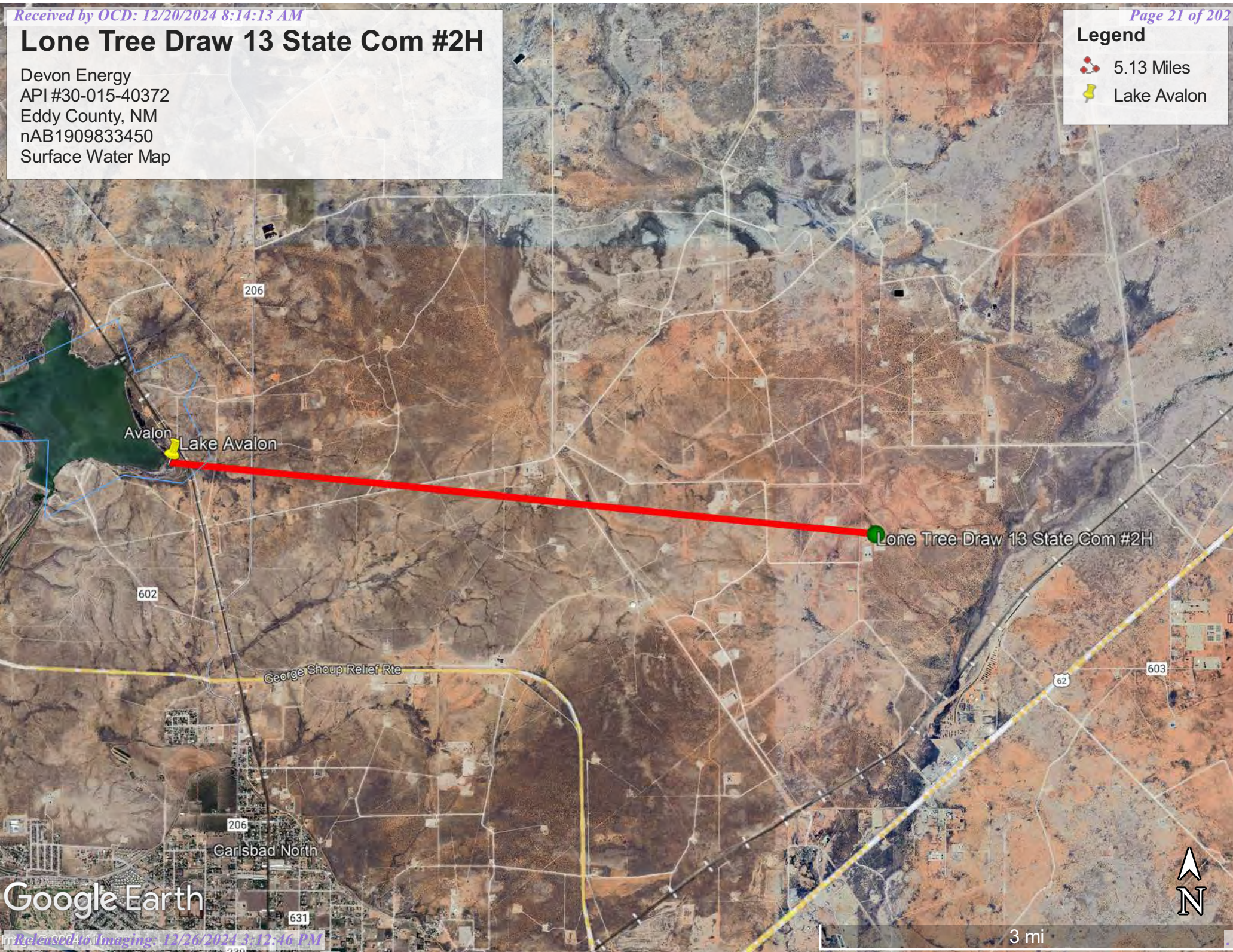


# Lone Tree Draw 13 State Com #2H

Devon Energy  
API #30-015-40372  
Eddy County, NM  
nAB1909833450  
Surface Water Map

## Legend

- 5.13 Miles
- Lake Avalon

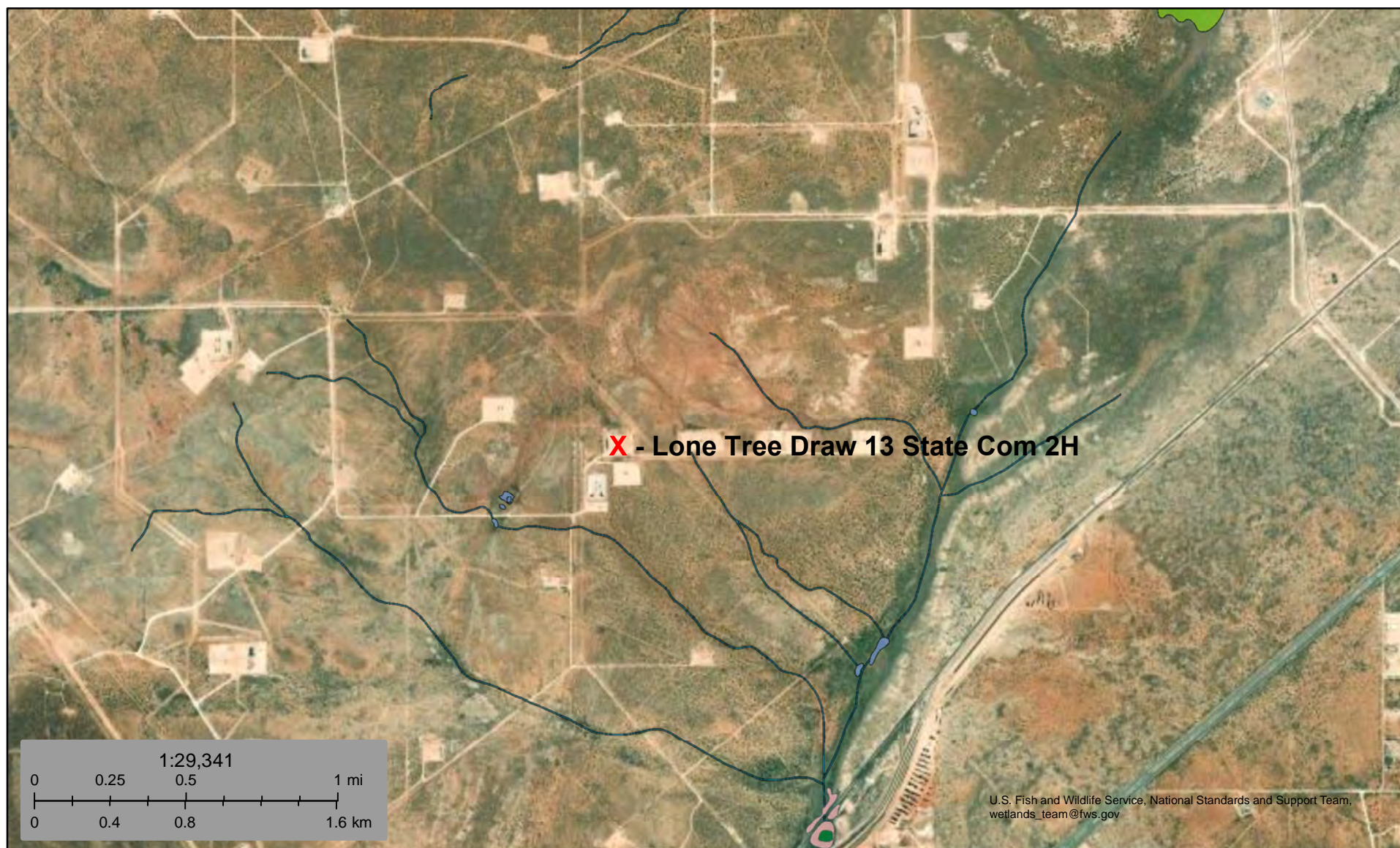


Google Earth





## Wetlands Map



July 11, 2024

**Wetlands**

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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



# National Flood Hazard Layer FIRMMette



104°9'19"W 32°29'30"N



104°8'41"W 32°28'59"N

0 250 500 1,000 1,500 2,000 Feet 1:6,000

Released to Imaging: 12/26/2024 3:12:46 PM Basemap: USGS National Map: Orthoimagery: Data refreshed October, 2020

## Legend

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

SPECIAL FLOOD HAZARD AREAS		Without Base Flood Elevation (BFE) Zone A, V, A99
		With BFE or Depth Zone AE, AO, AH, VE, AR
		Regulatory Floodway
OTHER AREAS OF FLOOD HAZARD		0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile Zone X
		Future Conditions 1% Annual Chance Flood Hazard Zone X
		Area with Reduced Flood Risk due to Levee. See Notes. Zone X
		Area with Flood Risk due to Levee Zone D
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
		Area of Undetermined Flood Hazard Zone D
GENERAL STRUCTURES		Channel, Culvert, or Storm Sewer
		Levee, Dike, or Floodwall
OTHER FEATURES		20.2 Cross Sections with 1% Annual Chance Water Surface Elevation
		17.5
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
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 2/16/2021 at 11:47 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.



## ***Appendix B***

**Soil Survey**

**Soil Map**

**Geologic Unit Map**

Map Unit Description: Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### GR—Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded

#### Map Unit Setting

*National map unit symbol:* 1w4h

*Elevation:* 3,000 to 5,000 feet

*Mean annual precipitation:* 10 to 14 inches

*Mean annual air temperature:* 60 to 64 degrees F

*Frost-free period:* 190 to 220 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Gypsum land:* 55 percent

*Reeves and similar soils:* 35 percent

*Minor components:* 10 percent

*Estimates are based on observations, descriptions, and transects of the mapunit.*

#### Description of Gypsum Land

##### Setting

*Landform:* Hills, plains, ridges

*Landform position (two-dimensional):* Backslope, footslope, shoulder, toeslope

*Landform position (three-dimensional):* Crest, nose slope, side slope, head slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from gypsum

##### Interpretive groups

*Land capability classification (irrigated):* None specified

*Land capability classification (nonirrigated):* 8s

*Hydric soil rating:* No

#### Description of Reeves

##### Setting

*Landform:* Hills, plains, ridges

*Landform position (two-dimensional):* Backslope, footslope, shoulder, toeslope

*Landform position (three-dimensional):* Crest, nose slope, side slope, head slope

*Down-slope shape:* Convex

*Across-slope shape:* Linear

*Parent material:* Residuum weathered from gypsum

##### Typical profile

*H1 - 0 to 8 inches:* sandy loam

*H2 - 8 to 32 inches:* clay loam



Map Unit Description: Gypsum land-Reeves complex, 0 to 3 percent slopes, eroded---Eddy Area, New Mexico

---

*H3 - 32 to 60 inches: gypsiferous material*

**Properties and qualities**

*Slope: 0 to 1 percent*

*Depth to restrictive feature: More than 80 inches*

*Drainage class: Well drained*

*Runoff class: High*

*Capacity of the most limiting layer to transmit water (Ksat): Very low to moderately low (0.00 to 0.06 in/hr)*

*Depth to water table: More than 80 inches*

*Frequency of flooding: None*

*Frequency of ponding: None*

*Calcium carbonate, maximum content: 25 percent*

*Gypsum, maximum content: 80 percent*

*Maximum salinity: Very slightly saline to moderately saline (2.0 to 8.0 mmhos/cm)*

*Sodium adsorption ratio, maximum: 4.0*

*Available water capacity: Low (about 4.3 inches)*

**Interpretive groups**

*Land capability classification (irrigated): 3s*

*Land capability classification (nonirrigated): 7s*

*Hydrologic Soil Group: B*

*Ecological site: R042XC007NM - Loamy*

*Hydric soil rating: No*

**Minor Components**

**Unnamed soils**

*Percent of map unit: 10 percent*

*Hydric soil rating: No*

**Data Source Information**

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 16, Jun 8, 2020



# Lone Tree Draw 13 State Com #2H

Devon Energy  
API #30-015-40372  
Eddy County, NM  
nAB1909833450  
Geologic Unit Map

## Legend

- Alluvium
- Eolian deposits
- Piedmont alluvial deposits
- Salado Formation

Lone Tree Draw 13 State Com #2H

603



1 mi

Google Earth



## ***Appendix C***

### **Initial C141 Form**

### **48-Hour Notifications**



District I  
1625 N. French Dr., Hobbs, NM 88240  
District II  
811 S. First St., Artesia, NM 88210  
District III  
1000 Rio Brazos Road, Aztec, NM 87410  
District IV  
1220 S. St. Francis Dr., Santa Fe, NM 87505

State of New Mexico  
Energy Minerals and Natural  
Resources Department

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

Form C-141  
Revised August 24, 2018  
Submit to appropriate OCD District office

Incident ID	NAB1909833450
District RP	2RP-5342
Facility ID	
Application ID	pAB1909833034

## Release Notification

### Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Brett Fulks	Contact Telephone 575-748-3371
Contact email brett.fulks@dvn.com	Incident # (assigned by OCD) NAB1909833450
Contact mailing address PO Box 250, Artesia NM 88211	

### Location of Release Source

Latitude 32.4871712 Longitude -104.1494293  
(NAD 83 in decimal degrees to 5 decimal places)

Site Name Lone Tree 13 State Com 2H	Site Type Oil
Date Release Discovered 8/24/2018	API# (if applicable) 30-015-40372

Unit Letter	Section	Township	Range	County
D	13	21S	27E	Eddy

**\*\* Surface owner is Private according to Legal description and coordinates**

Surface Owner: ☒ State ☐ Federal ☐ Tribal ☒ Private (Name: AB)

### Nature and Volume of Release

Material(s) Released (Select all that apply and attach calculations or specific justification for the volumes provided below)

<input type="checkbox"/> Crude Oil	Volume Released (bbls)	Volume Recovered (bbls)
<input checked="" type="checkbox"/> Produced Water	Volume Released (bbls) 5.336	Volume Recovered (bbls) 5.0
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)


Cause of Release Approximately 5.336bbls of pw was released as a result of tank overflow. All lines were shut in to prevent further release. 5bbls of produced water was recovered via vacuum truck. All fluid remained within the lined containment.

Incident ID	NAB1909833450
District RP	2RP-5342
Facility ID	
Application ID	pAB1909833034

<p>Was this a major release as defined by 19.15.29.7(A) NMAC?</p> <p><input type="checkbox"/> Yes <input checked="" type="checkbox"/> No</p>	<p>If YES, for what reason(s) does the responsible party consider this a major release?</p>
<p>If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?</p>	

## Initial Response

*The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury*

<input type="checkbox"/> The source of the release has been stopped. <input type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
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.	
Printed Name: <u>Dana DeLaRosa</u>  Signature: <u>Amanda Trujillo Davis</u>  email: <u>dana.delarosa@dvn.com</u>	Title: <u>Field Admin Support</u>  Date: <u>4/3/2019</u>  Telephone: <u>575.748.3371</u>
<div style="border: 1px solid black; padding: 5px;"> <b><u>OCD Only</u></b>   <div style="display: flex; justify-content: space-between;"> <div>           Received by: <u></u> </div> <div>           Date: <u>4/8/2019</u> </div> </div> </div>	

**District I**

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

**District II**

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 340648

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 340648
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAB1909833450
Incident Name	NAB1909833450 LONE TREE DRAW 13 STATE COM #002H @ 30-015-40372
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-40372] LONE TREE DRAW 13 STATE COM #002H

**Location of Release Source**

Site Name	LONE TREE DRAW 13 STATE COM #002H
Date Release Discovered	08/24/2018
Surface Owner	Private

**Sampling Event General Information***Please answer all the questions in this group.*

What is the sampling surface area in square feet	4,116
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	05/07/2024
Time sampling will commence	08:00 AM
Please provide any information necessary for observers to contact samplers	Pima 806.200.0054
Please provide any information necessary for navigation to sampling site	D-13-21S-27E, (32.4871712,-104.1494293 NAD83) From the intersection of George Shoup Relief Rte and N Loop Rd, travel North on N Loop Rd, for 0.72 of a mile, turn Northeast on County Rd 206 for 0.63 of a mile, turn East on lease rd (Rains Rd) for 2.31 of a mile, turn southeast on lease 1.46 miles, turn South on lease Rd for 1.35 miles, arriving at location on the left.

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

CONDITIONS

Action 340648

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 340648
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
wdale	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	5/3/2024



**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
**District II**  
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 324899

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 324899
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1909833450
Incident Name	NAB1909833450 LONE TREE DRAW 13 STATE COM #002H @ 30-015-40372
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-40372] LONE TREE DRAW 13 STATE COM #002H

Location of Release Source	
Site Name	LONE TREE DRAW 13 STATE COM #002H
Date Release Discovered	08/24/2018
Surface Owner	Private

Liner Inspection Event Information	
Please answer all the questions in this group.	
What is the liner inspection surface area in square feet	4,400
Have all the impacted materials been removed from the liner	Yes
Liner inspection date pursuant to Subparagraph (a) of Paragraph (5) of Subsection A of 19.15.29.11 NMAC	03/22/2024
Time liner inspection will commence	08:10 AM
Please provide any information necessary for observers to liner inspection	Pima Andrew Franco 806-200-0054
Please provide any information necessary for navigation to liner inspection site	D-13-21S-27E, (32.4871712,-104.1494293 NAD83) From the intersection of George Shoupe Relief Rte and N Loop Rd, travel North on N Loop Rd, for 0.72 of a mile, turn Northeast on County Rd 206 for 0.63 of a mile, turn East on lease rd (Rains Rd) for 2.31 of a mile, turn southeast on lease 1.46 miles, turn South on lease Rd for 1.35 miles, arriving at location on the left.

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

CONDITIONS

Action 324899

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 324899
	Action Type: [NOTIFY] Notification Of Liner Inspection (C-141L)

CONDITIONS

Created By	Condition	Condition Date
wdale	Failure to notify the OCD of liner inspections including any changes in date/time per the requirements of 19.15.29.11.A(5)(a)(ii) NMAC, may result in the inspection not being accepted.	3/19/2024

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 411121

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 411121
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAB1909833450
Incident Name	NAB1909833450 LONE TREE DRAW 13 STATE COM #002H @ 30-015-40372
Incident Type	Produced Water Release
Incident Status	Remediation Plan Approved
Incident Well	[30-015-40372] LONE TREE DRAW 13 STATE COM #002H

Location of Release Source	
Site Name	LONE TREE DRAW 13 STATE COM #002H
Date Release Discovered	08/24/2018
Surface Owner	Private

Sampling Event General Information	
<i>Please answer all the questions in this group.</i>	
What is the sampling surface area in square feet	200
What is the estimated number of samples that will be gathered	2
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/14/2024
Time sampling will commence	10:30 AM
 <b>Warning: Notification can not be less than two business days prior to conducting final sampling.</b>  	
Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	32.487597, -104.149774

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 411121

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 411121
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
jralej	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	12/12/2024



# ***Appendix D***

## **Photographic Documentation**

### **Liner Inspection Form**



# Initial Site Assessment Photos

South side of separator battery/spill area







Latitude: 32.487305  
Longitude: -104.148996  
Elevation: 970.81m  
Accuracy: 3.2m  
Time: 01-10-2019 10:26  
Note: lonetree draw8



Latitude: 32.487333  
Longitude: -104.149542  
Elevation: 974.28m  
Accuracy: 3.2m  
Time: 01-10-2019 10:24  
Note: lonetree draw5







North side of spill area





Pima Environmental Services, LLC

**Liner Inspection Form**Company Name: Devon EnergySite: Lone Tree Draw 13 St Com 2HLat/Long: 32.4871712, -104.1494293NMOCD Incident ID  
& Incident Date: NAB1909833450 8/24/20182-Day Notification  
Sent: via Email by Dale Woodall on OCD portal 3/19/2024Inspection Date: 3/22/2024

Liner Type:      Earthen w/liner                      Earthen no liner                      Polystar

**Steel w/poly liner**                      Steel w/spray epoxy                      No Liner

Other: \_\_\_\_\_

Visualization	Yes	No	Comments
Is there a tear in the liner?		X	
Are there holes in the liner?		X	
Is the liner retaining any fluids?	X		Fluid from the power washing of the liner
Does the liner have integrity to contain a leak?	X		

Comments: \_\_\_\_\_

Inspector Name: Andrew Franco      Inspector Signature: Andrew Franco





## SITE PHOTOGRAPHS

Devon Energy

Lone Tree Draw 13 State 2H

### Liner Inspection











The LoneTree 13 State Com 2 H & 8H share the same facility, the images were labeled as Lone Tree 13 State Com 8H

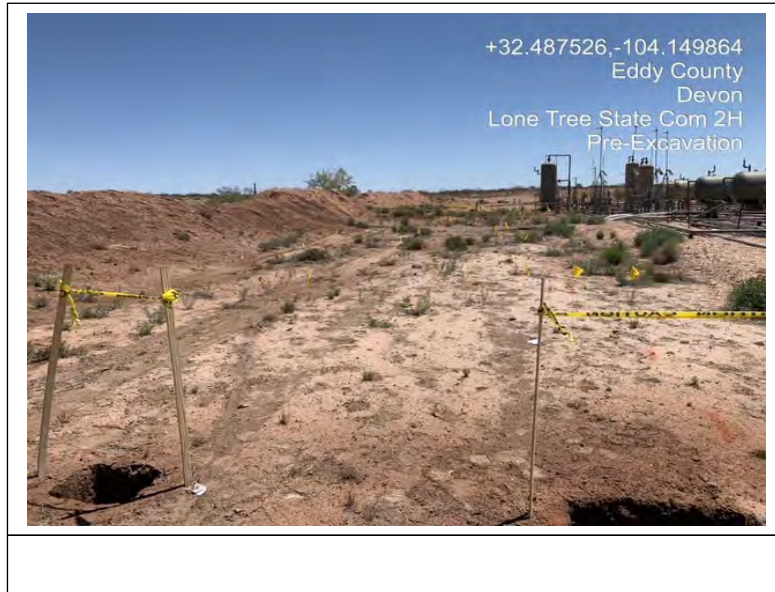


# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



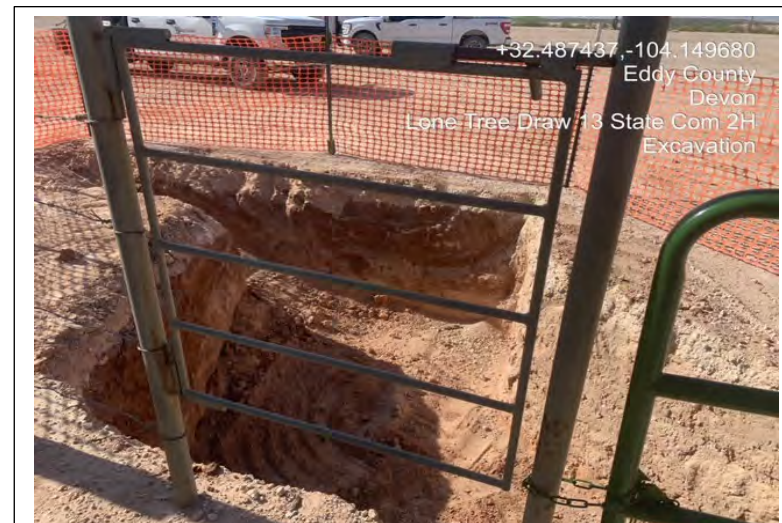
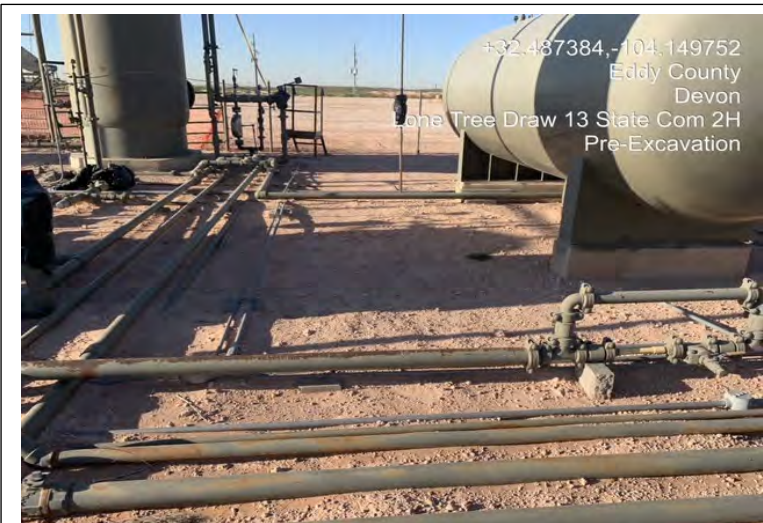
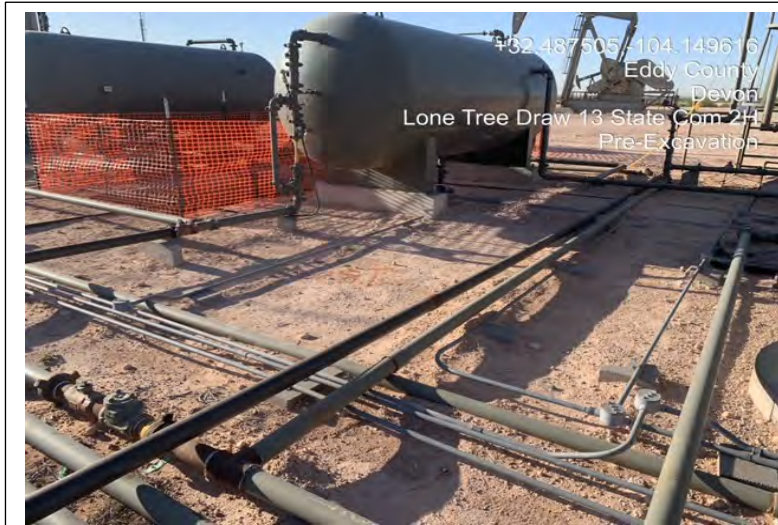


# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



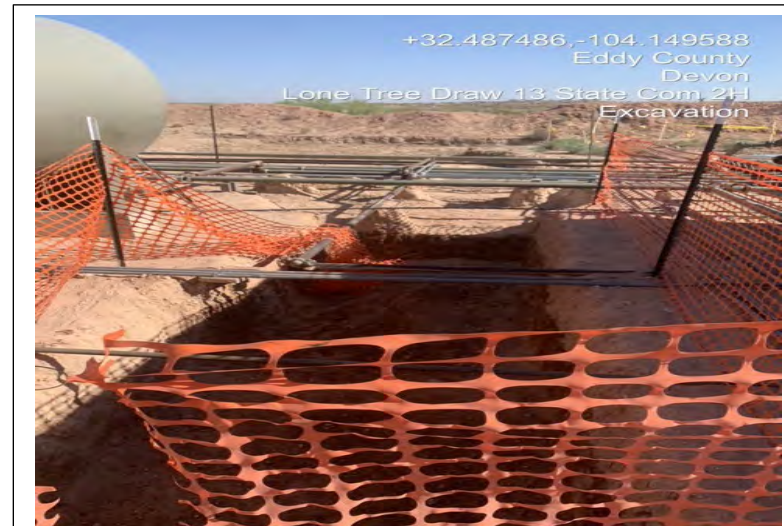


# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



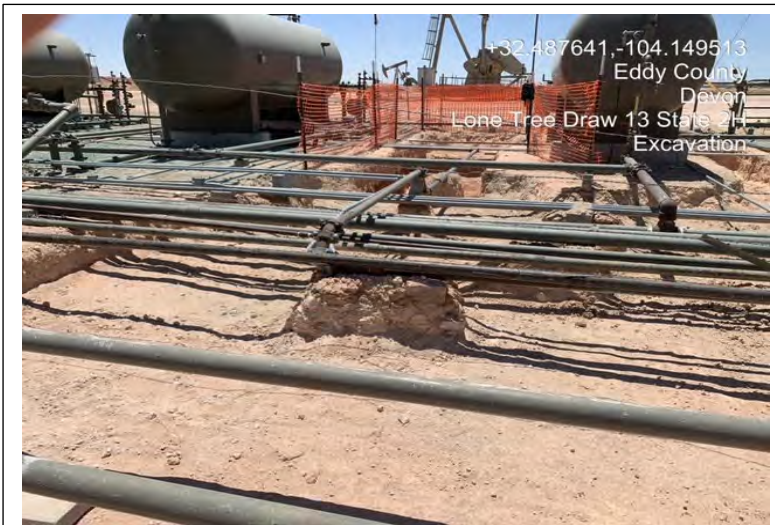


# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H





# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



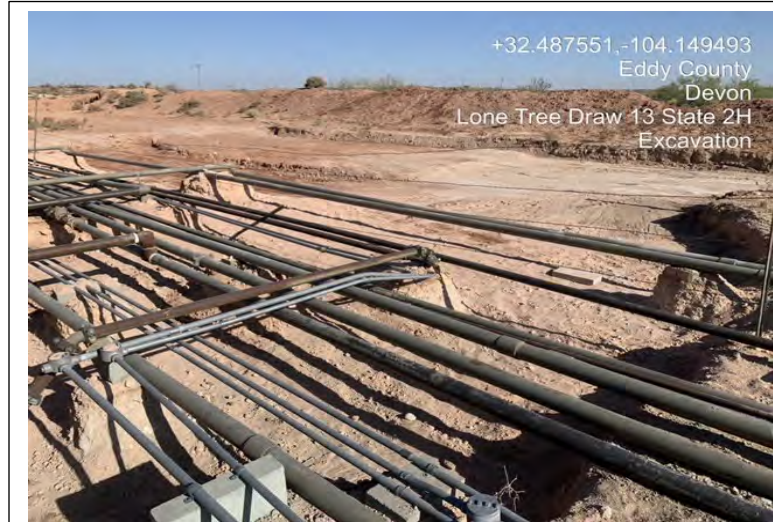


# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



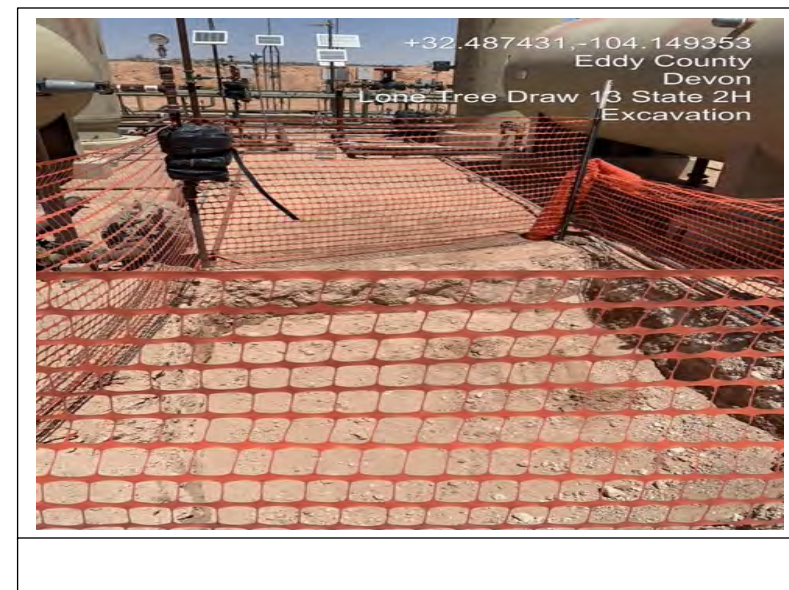


# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



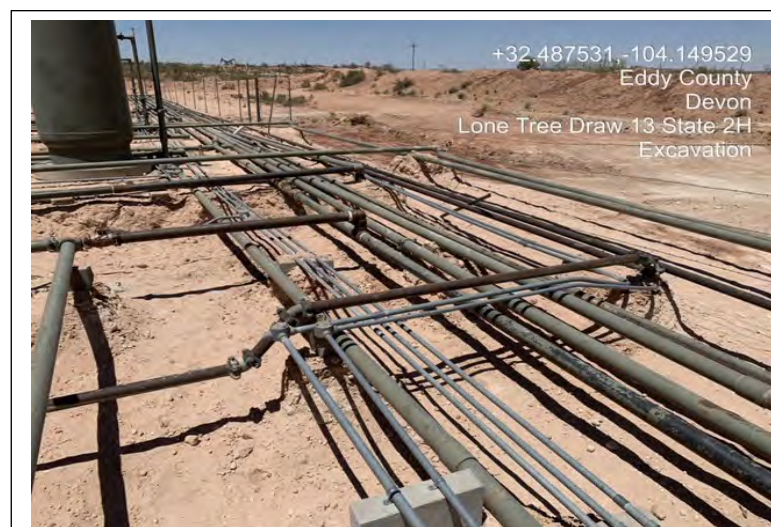
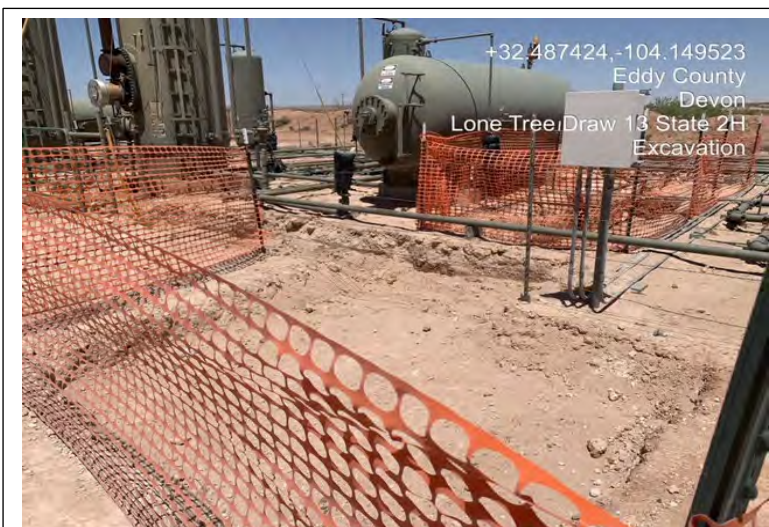


# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H





# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H





# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



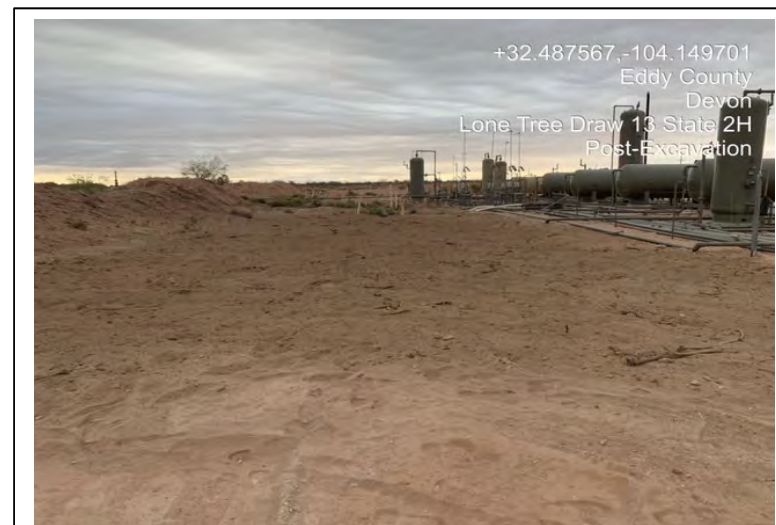


# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



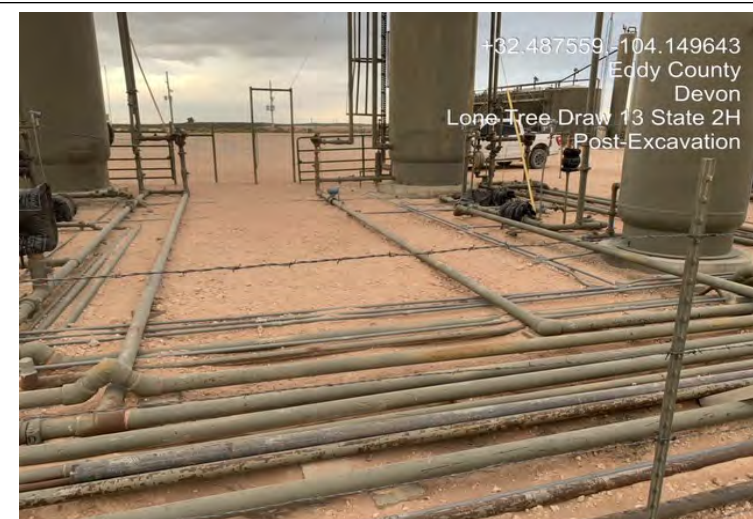
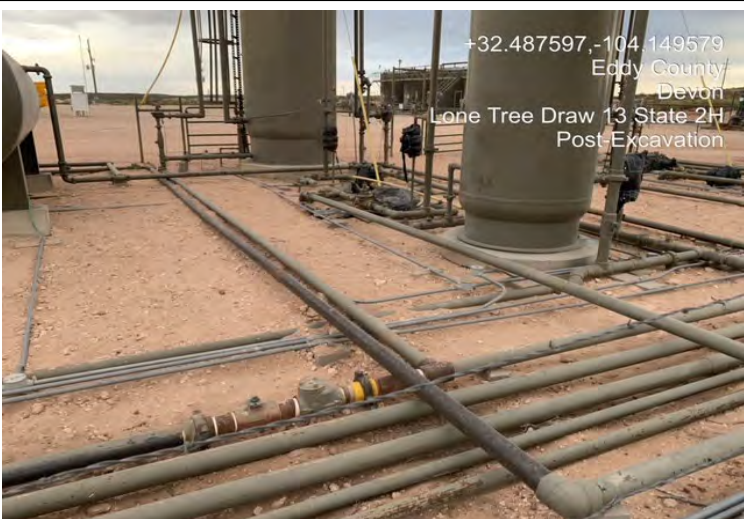


# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H





# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H





# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



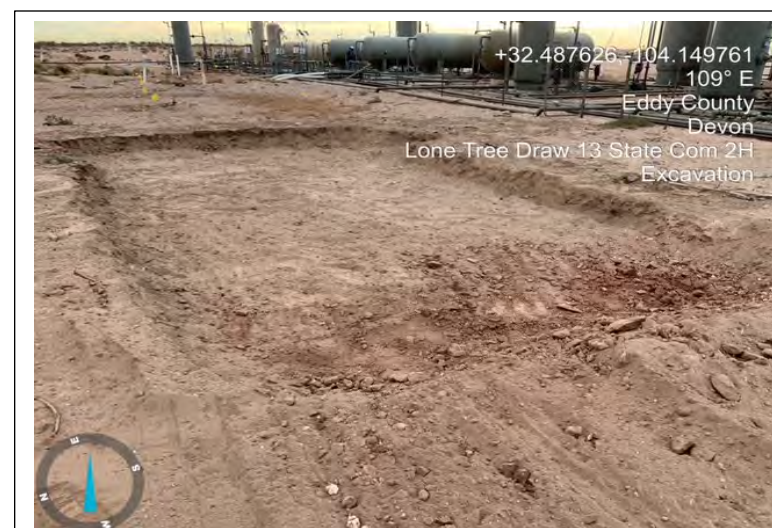
C15 Excavation 1



C15 Excavation 2



C15 Excavation 3



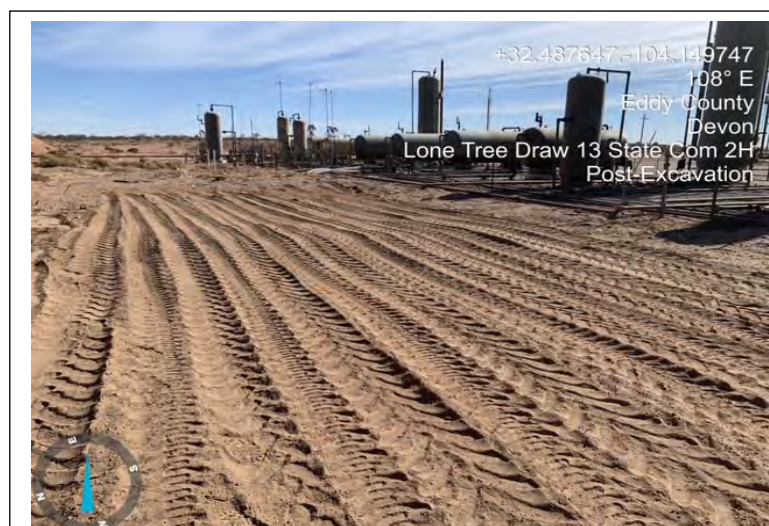
C15 Excavation 4



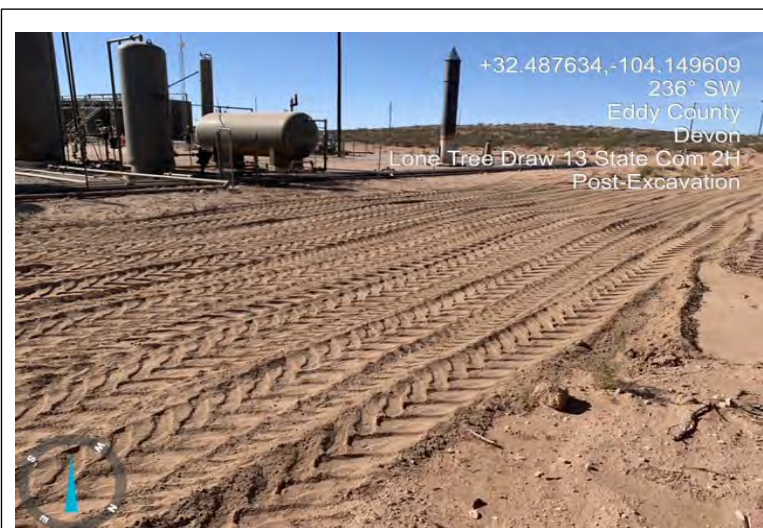
# Devon Energy Production, LP Photographic Documentation Lone Tree Draw 13 State Com #2H



Backfill 1



Backfill 2



Backfill 3



Backfill 4



## ***Appendix E***

### **Laboratory Reports**





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

October 18, 2018

DAVID ADKINS

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LONE TREE DRAW #13

Enclosed are the results of analyses for samples received by the laboratory on 10/11/18 10:30.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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,

Celey D. Keene

Lab Director/Quality Manager

Page 64 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 1 0' (H802901-01)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2018	ND	2.14	107	2.00	0.672	
Toluene*	<0.050	0.050	10/12/2018	ND	2.03	102	2.00	0.830	
Ethylbenzene*	<0.050	0.050	10/12/2018	ND	2.01	101	2.00	0.688	
Total Xylenes*	<0.150	0.150	10/12/2018	ND	6.00	100	6.00	0.256	
Total BTEX	<0.300	0.300	10/12/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 95.4 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/15/2018	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	192	96.2	200	0.369	
DRO >C10-C28*	546	10.0	10/12/2018	ND	189	94.3	200	0.397	
EXT DRO >C28-C36	176	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 85.7 % 41-142

Surrogate: 1-Chlorooctadecane 117 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager



Page 65 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 1 1' (H802901-02)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2018	ND	2.10	105	2.00	2.49	
Toluene*	<0.050	0.050	10/12/2018	ND	2.09	105	2.00	3.26	
Ethylbenzene*	<0.050	0.050	10/12/2018	ND	2.14	107	2.00	3.06	
Total Xylenes*	<0.150	0.150	10/12/2018	ND	6.17	103	6.00	3.69	
Total BTEX	<0.300	0.300	10/12/2018	ND					

Surrogate: 4-Bromofluorobenzene (PII) 112 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/15/2018	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	192	96.2	200	0.369	
DRO >C10-C28*	126	10.0	10/12/2018	ND	189	94.3	200	0.397	
EXT DRO >C28-C36	26.9	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 86.2 % 41-142

Surrogate: 1-Chlorooctadecane 94.0 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager

Page 66 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 1 2' (H802901-03)**

BTEX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2018	ND	2.10	105	2.00	2.49	
Toluene*	<0.050	0.050	10/12/2018	ND	2.09	105	2.00	3.26	
Ethylbenzene*	<0.050	0.050	10/12/2018	ND	2.14	107	2.00	3.06	
Total Xylenes*	<0.150	0.150	10/12/2018	ND	6.17	103	6.00	3.69	
Total BTEX	<0.300	0.300	10/12/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 111 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/15/2018	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	192	96.2	200	0.369	
DRO >C10-C28*	41.1	10.0	10/12/2018	ND	189	94.3	200	0.397	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 92.8 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



Page 67 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 2 0' (H802901-04)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2018	ND	2.10	105	2.00	2.49	
Toluene*	<0.050	0.050	10/12/2018	ND	2.09	105	2.00	3.26	
Ethylbenzene*	0.056	0.050	10/12/2018	ND	2.14	107	2.00	3.06	
Total Xylenes*	0.438	0.150	10/12/2018	ND	6.17	103	6.00	3.69	
Total BTEX	0.494	0.300	10/12/2018	ND					

Surrogate: 4-Bromofluorobenzene (PII) 113 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/15/2018	ND	384	96.0	400	8.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	192	96.2	200	0.369	
DRO >C10-C28*	27.7	10.0	10/12/2018	ND	189	94.3	200	0.397	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 84.5 % 41-142

Surrogate: 1-Chlorooctadecane 85.3 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager

Page 68 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 2 1' (H802901-05)**

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2018	ND	2.10	105	2.00	2.49	
Toluene*	<0.050	0.050	10/12/2018	ND	2.09	105	2.00	3.26	
Ethylbenzene*	<0.050	0.050	10/12/2018	ND	2.14	107	2.00	3.06	
Total Xylenes*	<0.150	0.150	10/12/2018	ND	6.17	103	6.00	3.69	
Total BTX	<0.300	0.300	10/12/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	192	96.2	200	0.369	
DRO >C10-C28*	27.0	10.0	10/12/2018	ND	189	94.3	200	0.397	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 94.1 % 41-142

Surrogate: 1-Chlorooctadecane 96.0 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager



Page 69 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

Analytical Results For:

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S- 2 2' (H802901-06)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2018	ND	2.10	105	2.00	2.49	
Toluene*	<0.050	0.050	10/12/2018	ND	2.09	105	2.00	3.26	
Ethylbenzene*	<0.050	0.050	10/12/2018	ND	2.14	107	2.00	3.06	
Total Xylenes*	<0.150	0.150	10/12/2018	ND	6.17	103	6.00	3.69	
Total BTEX	<0.300	0.300	10/12/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 112 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	192	96.2	200	0.369	
DRO >C10-C28*	<10.0	10.0	10/12/2018	ND	189	94.3	200	0.397	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 89.0 % 41-142

Surrogate: 1-Chlorooctadecane 88.2 % 37.6-147

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.

*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager

Page 70 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 2 3' (H802901-07)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/12/2018	ND	2.10	105	2.00	2.49	
Toluene*	<0.050	0.050	10/12/2018	ND	2.09	105	2.00	3.26	
Ethylbenzene*	<0.050	0.050	10/12/2018	ND	2.14	107	2.00	3.06	
Total Xylenes*	<0.150	0.150	10/12/2018	ND	6.17	103	6.00	3.69	
Total BTEx	<0.300	0.300	10/12/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 113 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	192	96.2	200	0.369	
DRO >C10-C28*	<10.0	10.0	10/12/2018	ND	189	94.3	200	0.397	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 89.2 % 41-142

Surrogate: 1-Chlorooctadecane 89.6 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager





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

Analytical Results For:

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S- 3 0' (H802901-08)

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/12/2018	ND	2.10	105	2.00	2.49	
Toluene*	12.3	0.500	10/12/2018	ND	2.09	105	2.00	3.26	
Ethylbenzene*	10.6	0.500	10/12/2018	ND	2.14	107	2.00	3.06	
Total Xylenes*	60.9	1.50	10/12/2018	ND	6.17	103	6.00	3.69	
Total BTEx	83.8	3.00	10/12/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 133 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/16/2018	ND	432	108	400	0.00	

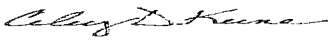
TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	490	10.0	10/12/2018	ND	192	96.2	200	0.369		
DRO >C10-C28*	3640	10.0	10/12/2018	ND	189	94.3	200	0.397		
EXT DRO >C28-C36	554	10.0	10/12/2018	ND						

Surrogate: 1-Chlorooctane 114 % 41-142

Surrogate: 1-Chlorooctadecane 200 % 37.6-147

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

Page 72 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 3 1' (H802901-09)**

BTEx 8021B		mg/kg		Analyzed By: MS				S-04	
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/18/2018	ND	2.10	105	2.00	2.49	
Toluene*	16.9	0.200	10/18/2018	ND	2.09	105	2.00	3.26	
Ethylbenzene*	16.5	0.200	10/18/2018	ND	2.14	107	2.00	3.06	
Total Xylenes*	76.0	0.600	10/18/2018	ND	6.17	103	6.00	3.69	
Total BTEx	109	1.20	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 181 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2018	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*	475	10.0	10/17/2018	ND	203	101	200	4.75	QM-07
DRO >C10-C28*	1880	10.0	10/17/2018	ND	205	102	200	0.512	QM-07
EXT DRO >C28-C36	238	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 113 % 41-142

Surrogate: 1-Chlorooctadecane 135 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager



Page 73 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 3 2' (H802901-10)**

BTEx 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/18/2018	ND	1.85	92.5	2.00	1.02	QM-07, QR-03
Toluene*	<0.050	0.050	10/18/2018	ND	1.76	87.9	2.00	0.828	QR-03
Ethylbenzene*	<0.050	0.050	10/18/2018	ND	1.75	87.7	2.00	1.15	QR-03
Total Xylenes*	<0.150	0.150	10/18/2018	ND	5.33	88.9	6.00	1.10	QR-03
Total BTEx	<0.300	0.300	10/18/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 115 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/17/2018	ND	203	101	200	4.75	
DRO >C10-C28*	16.9	10.0	10/17/2018	ND	205	102	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	10/17/2018	ND					

Surrogate: 1-Chlorooctane 73.7 % 41-142

Surrogate: 1-Chlorooctadecane 68.6 % 37.6-147

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.

*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 4 0' (H802901-11)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	<0.050	0.050	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	<0.050	0.050	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	0.251	0.150	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTX	<0.300	0.300	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.0 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	203	101	200	4.75	
DRO >C10-C28*	332	10.0	10/12/2018	ND	205	102	200	0.512	
EXT DRO >C28-C36	77.4	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 97.7 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager





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

Analytical Results For:

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S- 4 1' (H802901-12)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	<0.050	0.050	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	<0.050	0.050	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTEx	<0.300	0.300	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.3 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	203	101	200	4.75	
DRO >C10-C28*	<10.0	10.0	10/12/2018	ND	205	102	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 90.1 % 37.6-147

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:

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S- 4 2' (H802901-13)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	<0.050	0.050	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	<0.050	0.050	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTEx	<0.300	0.300	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.2 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	203	101	200	4.75	
DRO >C10-C28*	20.2	10.0	10/12/2018	ND	205	102	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 103 % 41-142

Surrogate: 1-Chlorooctadecane 96.1 % 37.6-147

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:

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S- 4 3' (H802901-14)

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	<0.050	0.050	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	<0.050	0.050	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTEX	<0.300	0.300	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 97.1 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	203	101	200	4.75	
DRO >C10-C28*	<10.0	10.0	10/12/2018	ND	205	102	200	0.512	
EXT DRO >C28-C36	<10.0	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 93.1 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 10/11/2018      Sampling Date: 10/10/2018  
Reported: 10/18/2018      Sampling Type: Soil  
Project Name: LONE TREE DRAW #13      Sampling Condition: Cool & Intact  
Project Number: 700794.276.01      Sample Received By: Tamara Oldaker  
Project Location: DEVON - EDDY CO NM

Sample ID: S- 5 0' (H802901-15)

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.500	0.500	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	12.0	0.500	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	11.6	0.500	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	76.4	1.50	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTEX	100	3.00	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	1300	10.0	10/12/2018	ND	203	101	200	4.75		
DRO >C10-C28*	8670	10.0	10/12/2018	ND	205	102	200	0.512		
EXT DRO >C28-C36	1030	10.0	10/12/2018	ND						

Surrogate: 1-Chlorooctane 212 % 41-142

Surrogate: 1-Chlorooctadecane 181 % 37.6-147

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



Page 79 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 5 1' (H802901-16)**

BTEx 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	0.348	0.050	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	0.566	0.050	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	3.55	0.150	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTEx	4.46	0.300	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 120 % 69.8-142

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2018	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*	65.4	10.0	10/12/2018	ND	203	101	200	4.75	
DRO >C10-C28*	1120	10.0	10/12/2018	ND	205	102	200	0.512	
EXT DRO >C28-C36	186	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 99.1 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 5 2' (H802901-17)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	<0.050	0.050	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	<0.050	0.050	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTEx	<0.300	0.300	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.5 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/12/2018	ND	203	101	200	4.75	
DRO >C10-C28*	62.6	10.0	10/12/2018	ND	205	102	200	0.512	
EXT DRO >C28-C36	16.3	10.0	10/12/2018	ND					

Surrogate: 1-Chlorooctane 99.7 % 41-142

Surrogate: 1-Chlorooctadecane 90.4 % 37.6-147

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.

*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager





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

Analytical Results For:

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S- 5 3' (H802901-18)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	<0.050	0.050	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	<0.050	0.050	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTX	<0.300	0.300	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 98.8 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2018	ND	203	101	200	4.75	
DRO >C10-C28*	297	10.0	10/13/2018	ND	205	102	200	0.512	
EXT DRO >C28-C36	49.6	10.0	10/13/2018	ND					

Surrogate: 1-Chlorooctane 102 % 41-142

Surrogate: 1-Chlorooctadecane 107 % 37.6-147

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

Page 82 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 5 4' (H802901-19)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	<0.050	0.050	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	<0.050	0.050	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	<0.150	0.150	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTEX	<0.300	0.300	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 99.0 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	10/13/2018	ND	203	101	200	4.75	
DRO >C10-C28*	58.9	10.0	10/13/2018	ND	205	102	200	0.512	
EXT DRO >C28-C36	11.1	10.0	10/13/2018	ND					

Surrogate: 1-Chlorooctane 101 % 41-142

Surrogate: 1-Chlorooctadecane 98.1 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 6 0' (H802901-20)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	9.86	0.200	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	11.8	0.200	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	71.6	0.600	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTEX	93.2	1.20	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 133 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	863	10.0	10/13/2018	ND	203	101	200	4.75		
DRO >C10-C28*	8040	10.0	10/13/2018	ND	205	102	200	0.512		
EXT DRO >C28-C36	1110	10.0	10/13/2018	ND						

Surrogate: 1-Chlorooctane 193 % 41-142

Surrogate: 1-Chlorooctadecane 242 % 37.6-147

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.

*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager

Page 84 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
DAVID ADKINS  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	10/11/2018	Sampling Date:	10/10/2018
Reported:	10/18/2018	Sampling Type:	Soil
Project Name:	LONE TREE DRAW #13	Sampling Condition:	Cool & Intact
Project Number:	700794.276.01	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S- 6 0.5' (H802901-21)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.200	0.200	10/15/2018	ND	1.85	92.5	2.00	1.02	
Toluene*	6.30	0.200	10/15/2018	ND	1.76	87.9	2.00	0.828	
Ethylbenzene*	8.31	0.200	10/15/2018	ND	1.75	87.7	2.00	1.15	
Total Xylenes*	53.1	0.600	10/15/2018	ND	5.33	88.9	6.00	1.10	
Total BTX	67.7	1.20	10/15/2018	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 126 % 69.8-142

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	10/16/2018	ND	432	108	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	639	10.0	10/13/2018	ND	203	101	200	4.75		
DRO >C10-C28*	9730	10.0	10/13/2018	ND	205	102	200	0.512		
EXT DRO >C28-C36	1560	10.0	10/13/2018	ND						

Surrogate: 1-Chlorooctane 173 % 41-142

Surrogate: 1-Chlorooctadecane 281 % 37.6-147

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.

*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager





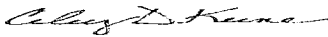
PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-03        The RPD value for the sample duplicate or MS/MSD was outside of QC acceptance limits due to matrix interference. QC batch accepted based on LCS and/or LCSD recovery and/or RPD values.
- QM-07        The spike recovery was outside acceptance limits for the MS and/or MSD. The batch was accepted based on acceptable LCS recovery.
- ND            Analyte NOT DETECTED at or above the reporting limit
- RPD           Relative Percent Difference
- \*\*            Samples not received at proper temperature of 6°C or below.
- \*\*\*          Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C
- Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \* = Accredited Analyte

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



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon LPE</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																		
Project Manager: <u>DAVID ADKINS</u>		P.O. #: <u>700794.276.01</u>		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTBX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">chlorides</div> </div>																		
Address: <u>408 W. Texas Ave</u>		Company: <u>Talon LPE</u>																				
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Attn:																				
Phone #: <u>575.441.4835</u> Fax #:		Address:																				
Project #: <u>700794.276.01</u> Project Owner: <u>Devon</u>		City:																				
Project Name: <u>Love Tree Draw #13</u>		State: Zip:																				
Project Location: <u>Gddy Co NM</u>		Phone #:																				
Sampler Name: <u>Mike Collier</u>		Fax #:																				
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(GRAB OR COMPO.) # CONTAINERS	MATRIX			PRESERV.	SAMPLING														
				GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	IOE / COOL	OTHER:	DATE	TIME								
	<u>H802901</u>		<u>G 1</u>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<u>10/10/18</u>		<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>	<input checked="" type="checkbox"/>					
	<u>1</u>	<u>S-1 0'</u>																				
	<u>2</u>	<u>S-1 1'</u>																				
	<u>3</u>	<u>S-1 2'</u>																				
	<u>4</u>	<u>S-2 0'</u>																				
	<u>5</u>	<u>S-2 1'</u>																				
	<u>6</u>	<u>S-2 2'</u>																				
	<u>7</u>	<u>S-2 3'</u>																				
	<u>8</u>	<u>S-3 0'</u>																				
	<u>9</u>	<u>S-3 1'</u>																				
	<u>10</u>	<u>S-3 2'</u>																				

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

Relinquished By: <u>Mal Collier</u>	Date: <u>10-11-18</u>	Received By: <u>Bill Rogers</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Phone #:
	Time: <u>7:10A</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No Add'l Fax #:
Relinquished By: <u>Bill Rogers</u>	Date: <u>10-11-18</u>	Received By: <u>Samara Alda-Kel</u>	REMARKS:
	Time: <u>10:30</u>		
Delivered By: (Circle One)			
Sampler - UPS - Bus - Other: <u>1.2c #197</u>	Sample Condition Cool Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No	CHECKED BY: (Initials) <u>YO</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <b>TALON LPE</b>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																								
Project Manager: <b>DAVID ADKINS</b>		P.O. #: <b>70079427601</b>		<div style="display: flex; flex-direction: column; align-items: center; justify-content: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTBY</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">chlorides</div> </div>																								
Address: <b>408 W. Texas Ave</b>		Company:																										
City: <b>Artesia</b> State: <b>NM</b> Zip: <b>88210</b>		Attn:																										
Phone #: <b>575-441-4835</b> Fax #:		Address:																										
Project #: <b>700794-276-01</b> Project Owner: <b>Devon</b>		City:																										
Project Name: <b>Long Tree Draw #13</b>		State: Zip:																										
Project Location: <b>Eddy County NM</b>		Phone #:																										
Sampler Name: <b>Mule Collier</b>		Fax #:																										
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	MATRIX					PRESERV.	SAMPLING																	
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME													
	<b>H802901</b>																											
	11	S-4 0'	G1				✓				✓			10/10/18		✓	✓	✓										
	12	S-4 1'																										
	13	S-4 2'																										
	14	S-4 3'																										
	15	S-5 0'																										
	16	S-5 1'																										
	17	S-5 2'																										
	18	S-5 3'																										
	19	S-5 4'																										
	<b>20</b>																											

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

Relinquished By:	Date: <b>10-11-18</b>	Received By:	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
<b>Mule Collier</b>	Time: <b>7:00</b>	<b>Bill Rugg</b>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date: <b>10-11-18</b>	Received By:	REMARKS:	
<b>Bill Rugg</b>	Time: <b>10:30</b>	<b>Jamara Olden</b>		
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: <b>1.2°</b>	Cool Intact <b>#97</b>	(Initials)		
	<input type="checkbox"/> Yes <input type="checkbox"/> Yes	<b>TR</b>		
	<input type="checkbox"/> No <input type="checkbox"/> No			

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon LPE</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																								
Project Manager: <u>DAVID ADKINS</u>		P.O. #: <u>70074427601</u>		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">chlorides</div> </div>																								
Address: <u>409 W. TEXAS AVE</u>		Company:																										
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Attn:																										
Phone #: <u>575-441-4835</u> Fax #:		Address:																										
Project #: <u>700744.276.01</u> Project Owner: <u>David</u>		City:																										
Project Name: <u>Lone Tree Draw #13</u>		State: Zip:																										
Project Location: <u>Eddy Co. NM</u>		Phone #:																										
Sampler Name: <u>Mike Collier</u>		Fax #:																										
FOR LAB USE ONLY	Lab I.D.	Sample I.D.	(GRAB OR C)COMP.	# CONTAINERS	MATRIX				PRESERV.	SAMPLING																		
					GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE/COOL	OTHER:	DATE	TIME													
	<u>H802901</u>																											
	<u>20</u>	<u>S-6 0'</u>	<u>G</u>	<u>1</u>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<u>10/10/18</u>		<u>1</u>	<u>1</u>	<u>1</u>										
	<u>21</u>	<u>S-6 0.5'</u>	<u>G</u>	<u>1</u>			<input checked="" type="checkbox"/>					<input checked="" type="checkbox"/>		<u>10/10/18</u>		<u>1</u>	<u>1</u>	<u>1</u>										

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

Relinquished By: <u>Mal Blk-</u>	Date: <u>12-11-18</u> Time: <u>2:00</u>	Received By: <u>Bill Rigg</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
Relinquished By: <u>Bill Rigg</u>	Date: <u>12-11-18</u> Time: <u>10:30</u>	Received By: <u>Jamara Oldaker</u>	Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Delivered By: (Circle One) Sampler - UPS - Bus - Other: <u>1.2c. #97</u>			REMARKS:	
Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>			CHECKED BY: (Initials) <u>YD.</u>	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326





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

January 21, 2019

CHRIS JONES

TALON LPE

408 W. TEXAS AVE.

ARTESIA, NM 88210

RE: LONE TREE

Enclosed are the results of analyses for samples received by the laboratory on 01/16/19 11:45.

Cardinal Laboratories is accredited through Texas NELAP under certificate number T104704398-18-11. 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,

Celey D. Keene

Lab Director/Quality Manager

Page 90 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

Analytical Results For:

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S - 6 0' (H900150-01)

BTX 8021B		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/17/2019	ND	1.90	94.9	2.00	3.85	
Toluene*	<0.050	0.050	01/17/2019	ND	2.10	105	2.00	3.13	
Ethylbenzene*	0.088	0.050	01/17/2019	ND	1.94	96.8	2.00	8.73	
Total Xylenes*	0.454	0.150	01/17/2019	ND	5.69	94.8	6.00	5.30	
Total BTX	0.542	0.300	01/17/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 110 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/17/2019	ND	400	100	400	3.92	

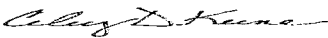
TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	12.9	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	595	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	110	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 95.5 % 41-142

Surrogate: 1-Chlorooctadecane 114 % 37.6-147

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

Page 91 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 6 2' (H900150-02)**

BTEx 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTEX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	96.0	16.0	01/17/2019	ND	400	100	400	3.92	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	10.0	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 88.6 % 41-142

Surrogate: 1-Chlorooctadecane 85.3 % 37.6-147

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.

*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 6 4' (H900150-03)**

BTEX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTEX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	32.0	16.0	01/17/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	<10.0	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 90.7 % 41-142

Surrogate: 1-Chlorooctadecane 84.9 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager

Page 93 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 6 6' (H900150-04)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/17/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	<10.0	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 89.7 % 41-142

Surrogate: 1-Chlorooctadecane 83.5 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 6 8' (H900150-05)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/17/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	<10.0	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 88.3 % 41-142

Surrogate: 1-Chlorooctadecane 82.8 % 37.6-147

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.

*Celestine Keene*

Celestine D. Keene, Lab Director/Quality Manager



Page 95 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 6 10' (H900150-06)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

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	01/17/2019	ND	400	100	400	3.92	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	<10.0	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 82.5 % 41-142

Surrogate: 1-Chlorooctadecane 78.0 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager

Page 96 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 6 12' (H900150-07)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

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	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	<10.0	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 88.9 % 41-142

Surrogate: 1-Chlorooctadecane 86.7 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager

Page 97 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 7 0' (H900150-08)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<1.00	1.00	01/21/2019	ND	2.01	101	2.00	0.428	
Toluene*	2.85	1.00	01/21/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	8.56	1.00	01/21/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	38.7	3.00	01/21/2019	ND	5.76	96.1	6.00	0.964	
Total BTEX	50.1	6.00	01/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 116 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS						S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	1410	10.0	01/16/2019	ND	215	108	200	0.773		
DRO >C10-C28*	8110	10.0	01/16/2019	ND	202	101	200	2.58		
EXT DRO >C28-C36	1430	10.0	01/16/2019	ND						

Surrogate: 1-Chlorooctane 135 % 41-142

Surrogate: 1-Chlorooctadecane 293 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



Page 98 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 7 2' (H900150-09)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/21/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/21/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/21/2019	ND	5.76	96.1	6.00	0.964	
Total BTEX	<0.300	0.300	01/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	109	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	73.1	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 88.1 % 41-142

Surrogate: 1-Chlorooctadecane 87.6 % 37.6-147

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.

*Coley D. Keene*

Coley D. Keene, Lab Director/Quality Manager

Page 99 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received: 01/16/2019  
Reported: 01/21/2019  
Project Name: LONE TREE  
Project Number: NONE GIVEN  
Project Location: DEVON - EDDY CO NM

Sampling Date: 01/15/2019  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Tamara Oldaker

**Sample ID: S - 7 4' (H900150-10)**

BTEX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/21/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/21/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/21/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/21/2019	ND	5.76	96.1	6.00	0.964	
Total BTEX	<0.300	0.300	01/21/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 105 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	48.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	208	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	28.4	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 82.5 % 41-142

Surrogate: 1-Chlorooctadecane 83.3 % 37.6-147

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.

*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 7 6' (H900150-11)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 103 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/16/2019	ND	215	108	200	0.773	
DRO >C10-C28*	<10.0	10.0	01/16/2019	ND	202	101	200	2.58	
EXT DRO >C28-C36	<10.0	10.0	01/16/2019	ND					

Surrogate: 1-Chlorooctane 84.4 % 41-142

Surrogate: 1-Chlorooctadecane 80.0 % 37.6-147

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.

*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 7 8' (H900150-12)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	16.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	14.2	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 85.5 % 41-142

Surrogate: 1-Chlorooctadecane 86.9 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S - 7 10' (H900150-13)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	<10.0	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 91.2 % 41-142

Surrogate: 1-Chlorooctadecane 86.4 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S - 7 12' (H900150-14)

BTX 8021B			mg/kg		Analyzed By: ms				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 102 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M			mg/kg		Analyzed By: MS				
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	<10.0	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 94.4 % 41-142

Surrogate: 1-Chlorooctadecane 86.5 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager





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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 8 0' (H900150-15)**

BTX 8021B		mg/kg	Analyzed By: ms						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 100 % 73.3-129

Chloride, SM4500Cl-B		mg/kg	Analyzed By: AC						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	128	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg	Analyzed By: MS							S-04
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39		
DRO >C10-C28*	4560	10.0	01/18/2019	ND	217	109	200	6.33		
EXT DRO >C28-C36	1480	10.0	01/18/2019	ND						

Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 300 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



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

Analytical Results For:

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S - 8 1' (H900150-16)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.01	101	2.00	0.428	
Toluene*	<0.050	0.050	01/18/2019	ND	1.96	97.9	2.00	1.77	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	1.91	95.5	2.00	1.07	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	5.76	96.1	6.00	0.964	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	448	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	130	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	93.9	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 89.5 % 41-142

Surrogate: 1-Chlorooctadecane 87.7 % 37.6-147

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

Celey D. Keene, Lab Director/Quality Manager

Page 106 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 8 2' (H900150-17)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2019	ND	1.88	94.0	2.00	1.97	
Toluene*	<0.050	0.050	01/19/2019	ND	1.80	89.8	2.00	0.340	
Ethylbenzene*	<0.050	0.050	01/19/2019	ND	1.79	89.6	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/19/2019	ND	5.40	90.0	6.00	1.54	
Total BTX	<0.300	0.300	01/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.8 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	176	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	38.7	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	19.6	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 86.9 % 41-142

Surrogate: 1-Chlorooctadecane 85.4 % 37.6-147

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.

*Celest D. Keene*

Celest D. Keene, Lab Director/Quality Manager



Page 107 of 202  
Received by OCD: 12/20/2024 8:14:13 AM  
Released to Imaging: 12/26/2024 3:12:46 PM



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 8 3' (H900150-18)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2019	ND	1.88	94.0	2.00	1.97	
Toluene*	<0.050	0.050	01/19/2019	ND	1.80	89.8	2.00	0.340	
Ethylbenzene*	<0.050	0.050	01/19/2019	ND	1.79	89.6	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/19/2019	ND	5.40	90.0	6.00	1.54	
Total BTX	<0.300	0.300	01/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	80.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	70.0	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 87.1 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 9 0' (H900150-19)**

BTX 8021B			mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	01/19/2019	ND	1.88	94.0	2.00	1.97		
Toluene*	<0.050	0.050	01/19/2019	ND	1.80	89.8	2.00	0.340		
Ethylbenzene*	<0.050	0.050	01/19/2019	ND	1.79	89.6	2.00	1.79		
Total Xylenes*	<0.150	0.150	01/19/2019	ND	5.40	90.0	6.00	1.54		
Total BTX	<0.300	0.300	01/19/2019	ND						

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Chloride, SM4500Cl-B			mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	<16.0	16.0	01/17/2019	ND	400	100	400	7.69		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	<10.0	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 94.7 % 41-142

Surrogate: 1-Chlorooctadecane 87.7 % 37.6-147

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.

*Celestine D. Keene*

Celestine D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 10 0' (H900150-20)**

BTEx 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2019	ND	1.88	94.0	2.00	1.97	
Toluene*	<0.050	0.050	01/19/2019	ND	1.80	89.8	2.00	0.340	
Ethylbenzene*	<0.050	0.050	01/19/2019	ND	1.79	89.6	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/19/2019	ND	5.40	90.0	6.00	1.54	
Total BTEX	<0.300	0.300	01/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	<10.0	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 93.1 % 41-142

Surrogate: 1-Chlorooctadecane 87.4 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager





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

Analytical Results For:

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

Sample ID: S - 11 0' (H900150-21)

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/18/2019	ND	2.36	118	2.00	1.28	
Toluene*	<0.050	0.050	01/18/2019	ND	2.25	113	2.00	0.963	
Ethylbenzene*	<0.050	0.050	01/18/2019	ND	2.18	109	2.00	0.0622	
Total Xylenes*	<0.150	0.150	01/18/2019	ND	6.70	112	6.00	0.590	
Total BTX	<0.300	0.300	01/18/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIL) 98.9 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	64.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	<10.0	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 90.4 % 41-142

Surrogate: 1-Chlorooctadecane 83.2 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



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

**Analytical Results For:**

TALON LPE  
CHRIS JONES  
408 W. TEXAS AVE.  
ARTESIA NM, 88210  
Fax To: (575) 745-8905

Received:	01/16/2019	Sampling Date:	01/15/2019
Reported:	01/21/2019	Sampling Type:	Soil
Project Name:	LONE TREE	Sampling Condition:	Cool & Intact
Project Number:	NONE GIVEN	Sample Received By:	Tamara Oldaker
Project Location:	DEVON - EDDY CO NM		

**Sample ID: S - 12 0' (H900150-22)**

BTX 8021B		mg/kg		Analyzed By: ms					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	01/19/2019	ND	1.88	94.0	2.00	1.97	
Toluene*	<0.050	0.050	01/19/2019	ND	1.80	89.8	2.00	0.340	
Ethylbenzene*	<0.050	0.050	01/19/2019	ND	1.79	89.6	2.00	1.79	
Total Xylenes*	<0.150	0.150	01/19/2019	ND	5.40	90.0	6.00	1.54	
Total BTX	<0.300	0.300	01/19/2019	ND					

Surrogate: 4-Bromofluorobenzene (PIE) 101 % 73.3-129

Chloride, SM4500Cl-B		mg/kg		Analyzed By: AC					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	<16.0	16.0	01/17/2019	ND	400	100	400	7.69	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	01/18/2019	ND	215	108	200	2.39	
DRO >C10-C28*	<10.0	10.0	01/18/2019	ND	217	109	200	6.33	
EXT DRO >C28-C36	<10.0	10.0	01/18/2019	ND					

Surrogate: 1-Chlorooctane 94.6 % 41-142

Surrogate: 1-Chlorooctadecane 91.2 % 37.6-147

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*

Celey D. Keene, Lab Director/Quality Manager



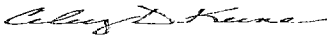
PHONE (575) 393-2326 ° 101 E. MARLAND ° HOBBS, NM 88240

Notes and Definitions

- S-04            The surrogate recovery for this sample is outside of established control limits due to a sample matrix effect.
- QR-02        The RPD result exceeded the QC control limits; however, both percent recoveries were acceptable. Sample results for the QC batch were accepted based on percent recoveries and completeness of QC data.
- ND            Analyte NOT DETECTED at or above the reporting limit
- RPD          Relative Percent Difference
- \*\*            Samples not received at proper temperature of 6°C or below.
- \*\*\*          Insufficient time to reach temperature.
- Chloride by SM4500Cl-B does not require samples be received at or below 6°C  
Samples reported on an as received basis (wet) unless otherwise noted on report

Cardinal Laboratories \*=Accredited Analyte

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





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon</u>		<b>BILL TO</b>		<b>ANALYSIS REQUEST</b>																						
Project Manager: <u>C. Sams</u>		P.O. #:		<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Ex +</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> </div>																						
Address: <u>402 W. Torgs</u>		Company: <u>Talon</u>																								
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>		Attn:																								
Phone #: <u>631-6977</u> Fax #:		Address:																								
Project #: Project Owner: <u>Devon</u>		City:																								
Project Name: <u>Lore True</u>		State: Zip:																								
Project Location: <u>Eddy, NM</u>		Phone #:																								
Sampler Name: <u>M.C.</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											
	H900150																									
	1	S-6	0											1-15-A	1200	-	✓	✓								
	2	S-4	2												1200											
	3	S-6	4												1200											
	4	S-6	6												1200											
	5	S-6	8												1200											
	6	S-6	10												1200											
	7	S-4	12												1200											
	8	S-7	0												1230											
	9	S-7	2												1230											
	10	S-7	4												1230											

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

Relinquished By: <u>[Signature]</u>	Date: <u>1-16-19</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>11:45 AM</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
REMARKS:				
Relinquished By:	Date:	Received By:		
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY: (Initials)		
Sampler - UPS - Bus - Other: <u>#97 - 2.10</u>	Cool / Intact <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	<u>[Signature]</u>		

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																		
Project Manager: <u>C. Jones</u>				P.O. #:				<div style="display: flex; justify-content: space-around; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Ext</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> </div>																		
Address: <u>408 W. Texas</u>				Company:																						
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>				Attn:																						
Phone #: <u>631-6977</u> Fax #:				Address:																						
Project #: _____ Project Owner: <u>Devon</u>				City:																						
Project Name: <u>Lone Tree</u>				State: _____ Zip: _____																						
Project Location: <u>Eddy, NM</u>				Phone #:																						
Sampler Name: <u>M.C.</u>				Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
<u>H900150</u>																										
<u>11</u>	<u>S-7</u>	<u>6</u>											<u>1-15-19</u>	<u>1230</u>												
<u>12</u>	<u>S-7</u>	<u>8</u>												<u>1230</u>												
<u>13</u>	<u>S-7</u>	<u>10</u>												<u>1230</u>												
<u>14</u>	<u>S-7</u>	<u>12</u>												<u>1230</u>												
<u>15</u>	<u>S-8</u>	<u>0</u>												<u>100</u>												
<u>16</u>	<u>S-8</u>	<u>1</u>												<u>150</u>												
<u>17</u>	<u>S-8</u>	<u>2</u>												<u>200</u>												
<u>18</u>	<u>S-8</u>	<u>3</u>												<u>205</u>												
<u>19</u>	<u>S-9</u>	<u>0</u>												<u>120</u>												
<u>20</u>	<u>S-10</u>	<u>0</u>												<u>105</u>												

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

Relinquished By: <u>[Signature]</u>	Date: <u>1-16-19</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>11:45 AM</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)	Sample Condition	CHECKED BY:		
Sampler - UPS - Bus - Other: <u>#97 - 2.10</u>	Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/>	(Initials) <u>[Signature]</u>		

\* Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



# CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: <u>Talon</u>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>																		
Project Manager: <u>C. Santos</u>				P.O. #:				<div style="display: flex; flex-direction: column; align-items: center;"> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">TPH Ext</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">BTEX</div> <div style="writing-mode: vertical-rl; transform: rotate(180deg);">Chlorides</div> </div>																		
Address: <u>408 W. Texas</u>				Company:																						
City: <u>Artesia</u> State: <u>NM</u> Zip: <u>88210</u>				Attn:																						
Phone #: <u>631-6977</u> Fax #:				Address:																						
Project #: _____ Project Owner: <u>Devon</u>				City:																						
Project Name: <u>Lone Tree</u>				State: _____ Zip: _____																						
Project Location: <u>Eddy, NM</u>				Phone #:																						
Sampler Name: <u>M.C.</u>				Fax #:																						
FOR LAB USE ONLY				MATRIX		PRESERV.		SAMPLING																		
Lab I.D.	Sample I.D.	(G)RAB OR (C)OMP.	# CONTAINERS	GROUNDWATER	WASTEWATER	SOIL	OIL	SLUDGE	OTHER:	ACID/BASE:	ICE / COOL	OTHER:	DATE	TIME												
H900150																										
21	S-11	D											1-15-19	110												
22	S-12	D												115												

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

Relinquished By: <u>[Signature]</u>	Date: <u>1-16-19</u>	Received By: <u>[Signature]</u>	Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Phone #:
	Time: <u>11:45 AM</u>		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No	Add'l Fax #:
Relinquished By:	Date:	Received By:	REMARKS:	
	Time:			
Delivered By: (Circle One)			CHECKED BY: <u>[Signature]</u>	
Sampler - UPS - Bus - Other: <u>#97 - 2.10</u>			Sample Condition	
			Cool Intact	
			<input type="checkbox"/> Yes <input type="checkbox"/> No	

† Cardinal cannot accept verbal changes. Please fax written changes to (575) 393-2326



Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Lone Tree 13 State Com 2 H

Work Order: E405096

Job Number: 01058-0007

Received: 5/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/9/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Lone Tree 13 State Com 2 H  
Workorder: E405096  
Date Received: 5/8/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 8:00:00AM, under the Project Name: Lone Tree 13 State Com 2 H.

The analytical test results summarized in this report with the Project Name: Lone Tree 13 State Com 2 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Golzaes**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS1	6
CS2	7
CS3	8
CS4	9
CS5	10
CS6	11
CS7	12
CS8	13
CS9	14
CS10	15
CS11	16
CS12	17
CS13	18
CS14	19
CS15	20
CS16	21
CS17	22
CS18	23
CS19	24
CS20	25



Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organics by EPA 8021B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/09/24 17:04

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E405096-01A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS2	E405096-02A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS3	E405096-03A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS4	E405096-04A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS5	E405096-05A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS6	E405096-06A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS7	E405096-07A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS8	E405096-08A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS9	E405096-09A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS10	E405096-10A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS11	E405096-11A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS12	E405096-12A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS13	E405096-13A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS14	E405096-14A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS15	E405096-15A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS16	E405096-16A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS17	E405096-17A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS18	E405096-18A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS19	E405096-19A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CS20	E405096-20A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

## CS1

## E405096-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		96.8 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		101 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>		105 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS2

E405096-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: 4-Bromochlorobenzene-PID	97.3 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	29.7	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane	104 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

## CS3

## E405096-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419097
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.8 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.8 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419100
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS4

E405096-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.6 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.1 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS5  
E405096-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: 4-Bromochlorobenzene-PID	95.9 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.2 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane	106 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

## CS6

## E405096-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.6 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

CS7

E405096-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.2 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.8 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS8  
E405096-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: 4-Bromochlorobenzene-PID	94.2 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.2 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane	104 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

## CS9

## E405096-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.5 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.4 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS10

E405096-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: 4-Bromochlorobenzene-PID	94.6 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	89.0 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane	107 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

## CS11

## E405096-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419097
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.2 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.0 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419101
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419100
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

## CS12

## E405096-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	93.7 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	89.2 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS13

E405096-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.6 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

## CS14

## E405096-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	95.9 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS15

E405096-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	94.1 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	71.5	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	64.5	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

## CS16

## E405096-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419097
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		96.7 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419097
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		101 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419101
Diesel Range Organics (C10-C28)	30.7	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
		100 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419100
Chloride	ND	20.0	1	05/08/24	05/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS17

E405096-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	96.0 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	33.3	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:04:16PM

## CS18

## E405096-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	91.3	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS19

E405096-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: 4-Bromochlorobenzene-PID	96.6 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	100 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane	105 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:04:16PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CS20

E405096-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: 4-Bromochlorobenzene-PID	95.1 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419097	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	101 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419101	
Diesel Range Organics (C10-C28)	49.3	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane	106 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419100	
Chloride	ND	20.0	1	05/08/24	05/08/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 5:04:16PM

Volatile Organics by EPA 8021B

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2419097-BLK1) Prepared: 05/08/24 Analyzed: 05/08/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.50		8.00		93.8	70-130			

LCS (2419097-BS1) Prepared: 05/08/24 Analyzed: 05/08/24

Benzene	4.82	0.0250	5.00		96.4	70-130			
Ethylbenzene	4.66	0.0250	5.00		93.2	70-130			
Toluene	4.74	0.0250	5.00		94.8	70-130			
o-Xylene	4.65	0.0250	5.00		93.0	70-130			
p,m-Xylene	9.46	0.0500	10.0		94.6	70-130			
Total Xylenes	14.1	0.0250	15.0		94.0	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.56		8.00		94.5	70-130			

Matrix Spike (2419097-MS1) Source: E405096-04 Prepared: 05/08/24 Analyzed: 05/08/24

Benzene	5.03	0.0250	5.00	ND	101	54-133			
Ethylbenzene	4.88	0.0250	5.00	ND	97.7	61-133			
Toluene	4.96	0.0250	5.00	ND	99.2	61-130			
o-Xylene	4.87	0.0250	5.00	ND	97.4	63-131			
p,m-Xylene	9.91	0.0500	10.0	ND	99.1	63-131			
Total Xylenes	14.8	0.0250	15.0	ND	98.5	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.60		8.00		95.0	70-130			

Matrix Spike Dup (2419097-MSD1) Source: E405096-04 Prepared: 05/08/24 Analyzed: 05/08/24

Benzene	5.10	0.0250	5.00	ND	102	54-133	1.48	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.1	61-133	1.48	20	
Toluene	5.03	0.0250	5.00	ND	101	61-130	1.32	20	
o-Xylene	4.94	0.0250	5.00	ND	98.9	63-131	1.45	20	
p,m-Xylene	10.1	0.0500	10.0	ND	101	63-131	1.52	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	1.50	20	
Surrogate: 4-Bromochlorobenzene-PID	7.57		8.00		94.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 5:04:16PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2419097-BLK1) Prepared: 05/08/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.14		8.00		89.3	70-130			

LCS (2419097-BS2) Prepared: 05/08/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	43.8	20.0	50.0		87.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.17		8.00		89.6	70-130			

Matrix Spike (2419097-MS2) Source: E405096-04 Prepared: 05/08/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0	ND	88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.28		8.00		91.0	70-130			

Matrix Spike Dup (2419097-MSD2) Source: E405096-04 Prepared: 05/08/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	44.0	20.0	50.0	ND	88.0	70-130	0.169	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.27		8.00		90.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 5:04:16PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2419101-BLK1) Prepared: 05/08/24 Analyzed: 05/08/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.7		50.0		109	50-200			

LCS (2419101-BS1) Prepared: 05/08/24 Analyzed: 05/08/24

Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			

LCS Dup (2419101-BSD1) Prepared: 05/08/24 Analyzed: 05/08/24

Diesel Range Organics (C10-C28)	272	25.0	250		109	38-132	4.00	20	
Surrogate: n-Nonane	52.6		50.0		105	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 5:04:16PM

Anions by EPA 300.0/9056A

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2419100-BLK1)					Prepared: 05/08/24 Analyzed: 05/08/24				
Chloride	ND	20.0							
LCS (2419100-BS1)					Prepared: 05/08/24 Analyzed: 05/08/24				
Chloride	255	20.0	250		102	90-110			
LCS Dup (2419100-BSD1)					Prepared: 05/08/24 Analyzed: 05/08/24				
Chloride	256	20.0	250		102	90-110	0.0509	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/09/24 17:04

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Page 1 of 4

## Project Information

## Chain of Custody

Client: **Pima Environmental Services**  
 Project: **Longtree 13 State Com 2H**  
 Project Manager: **Glo Gomez**  
 Address: **5614 N. Lovington Hwy.**  
 City, State, Zip: **Hobbs, NM, 88240**  
 Phone: **808-782-1151**  
 Email: **glo@pimaoil.com**  
 Report due by:

Bill To

Attention: **Devon**

Address:

City, State, Zip

Phone:

Email:

Pima Project # **R-306**

TAT

EPA Program

1D 2D 3D Standard CWA SDWA

X

Analysis and Method

RCRA

State

NM CO UT AZ TX

X

Remarks

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
8:10	5/7	S		CS1	1							X		
8:14				CS2	2									
8:17				CS3	3									
8:22				CS4	4									
8:36				CS5	5									
8:45				CS6	6									
8:51				CS7	7									
9:16				CS8	8									
9:19				CS9	9									
9:21				CS10	10									

## Additional Instructions:

Billing # **21165282**

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:

Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.

Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Lab Use Only
Karime Adame	5/7/24	2:17	Michelle Gonzales	5/7/24	1417	Received on Ice: <input checked="" type="radio"/> Y <input type="radio"/> N
Michelle Gonzales	5-7-24	1805	J. ell.	5.7.24	1805	T1 T2 T3
J. ell.	5-7-24	2400	J. ell.	5/8/24	0800	AVG Temp °C <b>4</b>

Sample Matrix: S - Soil, sd - Solid, sg - Sludge, A - Aqueous, O - Other

Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.

 **envirotech**



## Project Information

## Chain of Custody

Page 2 of 4

<b>Client: Pima Environmental Services</b> <b>Project: Lone Tree 13 State Com 2+H</b> <b>Project Manager: Glo Gomez</b> <b>Address: 5614 N. Lovington Hwy.</b> <b>City, State, Zip: Hobbs, NM, 88240</b> <b>Phone: 806-782-1151</b> <b>Email: glo@pimaoil.com</b> <b>Report due by:</b>					<b>Bill To</b> <b>Attention: Devon</b> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project # R-306</b>					<b>TAT</b> <b>1D</b> <b>2D</b> <b>3D</b> <b>Standard</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					<b>EPA Program</b> <b>CWA</b> <b>SDWA</b> <b>RCRA</b> <b>State</b> <b>NM</b> <b>CO</b> <b>UT</b> <b>AZ</b> <b>TX</b> <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>						
					<b>Analysis and Method</b> <b>DRO/DRO by 8015</b> <b>GRO/DRO by 8015</b> <b>BTEX by 8021</b> <b>VOC by 8260</b> <b>Metals 6010</b> <b>Chloride 300.0</b> <b>BDOC NM</b> <b>BDOC TX</b>																
<b>Time Sampled</b>	<b>Date Sampled</b>	<b>Matrix</b>	<b>No. of Containers</b>	<b>Sample ID</b>	<b>Lab Number</b>	<b>DRO/DRO by 8015</b>	<b>GRO/DRO by 8015</b>	<b>BTEX by 8021</b>	<b>VOC by 8260</b>	<b>Metals 6010</b>	<b>Chloride 300.0</b>	<b>BDOC NM</b>	<b>BDOC TX</b>	<b>Remarks</b>							
9:25	5/7	S		CS11	11							X									
9:31				CS12	12																
9:36				CS13	13																
9:42				CS14	14																
9:50				CS15	15																
9:58				CS16	16																
10:06				CS17	17																
10:11				CS18	18																
10:17				CS19	19																
10:22				CS20	20																
<b>Additional Instructions:</b> <b>Billing # 21165282</b>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabeling the sample location, date or time of collection is considered fraud and may be grounds for legal action.										Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.											
<b>Relinquished by: (Signature)</b> Kerime Adame										<b>Date</b> 5/7/24		<b>Time</b> 2:17		<b>Received by: (Signature)</b> Michelle Gonzales		<b>Date</b> 5/7/24		<b>Time</b> 1417		<b>Lab Use Only</b> <b>Received on ice:</b> <input checked="" type="checkbox"/> N	
<b>Relinquished by: (Signature)</b> Michelle Gonzales										<b>Date</b> 5-7-24		<b>Time</b> 1805		<b>Received by: (Signature)</b> C. J.		<b>Date</b> 5-7-24		<b>Time</b> 1805		<b>T1</b> <b>T2</b> <b>T3</b>	
<b>Relinquished by: (Signature)</b> C. J.										<b>Date</b> 5-7-24		<b>Time</b> 2400		<b>Received by: (Signature)</b> [Signature]		<b>Date</b> 5/8/24		<b>Time</b> 0800		<b>AVG Temp °C</b> <u>4</u>	
<b>Sample Matrix:</b> S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other															<b>Container Type:</b> g - glass, p - poly/plastic, ag - amber glass, v - VOA						
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					



## Envirotech Analytical Laboratory

Printed: 5/8/2024 11:30:14AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/08/24 08:00	Work Order ID:	E405096
Phone:	(575) 631-6977	Date Logged In:	05/07/24 16:15	Logged In By:	Angelina Pineda
Email:	gio@pimaoil.com	Due Date:	05/08/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: CourierSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

No. of containers and Sampled by not documented on COC by client. Project Lone Tree 13 State Com 2 H has been separated into multiple workorders due to high sample volume. WO are as follows: E405096, 405098

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Lone Tree 13 State Com 2 H

Work Order: E405098

Job Number: 01058-0007

Received: 5/8/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
5/9/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 5/9/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Lone Tree 13 State Com 2 H  
Workorder: E405098  
Date Received: 5/8/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 5/8/2024 8:00:00AM, under the Project Name: Lone Tree 13 State Com 2 H.

The analytical test results summarized in this report with the Project Name: Lone Tree 13 State Com 2 H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

**Alexa Michaels**  
Sample Custody Officer  
Office: 505-632-1881  
[labadmin@envirotech-inc.com](mailto:labadmin@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Golzaes**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzales@envirotech-inc.com](mailto:mgonzales@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)

## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
CS21	6
CSW1	7
CSW2	8
CSW3	9
CSW4	10
CSW5	11
CSW6	12
CSW7	13
CSW8	14
CSW9	15
CSW10	16
CSW11	17
CSW12	18
CSW13	19
CSW14	20
CSW15	21
CSW16	22
CSW17	23
CSW18	24
CSW19	25



Table of Contents (continued)

QC Summary Data	26
QC - Volatile Organic Compounds by EPA 8260B	26
QC - Nonhalogenated Organics by EPA 8015D - GRO	27
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	28
QC - Anions by EPA 300.0/9056A	29
Definitions and Notes	30
Chain of Custody etc.	31

## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/09/24 17:09

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS21	E405098-01A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW1	E405098-02A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW2	E405098-03A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW3	E405098-04A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW4	E405098-05A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW5	E405098-06A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW6	E405098-07A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW7	E405098-08A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW8	E405098-09A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW9	E405098-10A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW10	E405098-11A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW11	E405098-12A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW12	E405098-13A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW13	E405098-14A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW14	E405098-15A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW15	E405098-16A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW16	E405098-17A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW17	E405098-18A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW18	E405098-19A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.
CSW19	E405098-20A	Soil	05/07/24	05/08/24	Glass Jar, 2 oz.



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

### CS21

#### E405098-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	47.1	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		105 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW1

## E405098-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		90.9 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		102 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW2

## E405098-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		104 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW3

## E405098-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		95.5 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		95.5 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		103 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW4

## E405098-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		96.5 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.1 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		96.5 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		102 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW5

E405098-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		97.9 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		103 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		97.9 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		100 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW6

E405098-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419098	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene	105 %	70-130		05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/08/24	
Surrogate: Toluene-d8	95.1 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419098	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene	105 %	70-130		05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4	102 %	70-130		05/08/24	05/08/24	
Surrogate: Toluene-d8	95.1 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419102	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane	99.1 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2419099	
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW7

## E405098-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		105 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		96.3 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		101 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW8

## E405098-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		97.8 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		108 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		103 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		97.8 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		99.9 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW9

## E405098-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		109 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		98.0 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		109 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		98.0 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		101 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW10

E405098-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419098	
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene	105 %	70-130		05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		05/08/24	05/08/24	
Surrogate: Toluene-d8	96.8 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: EG		Batch: 2419098	
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene	105 %	70-130		05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4	100 %	70-130		05/08/24	05/08/24	
Surrogate: Toluene-d8	96.8 %	70-130		05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: KM		Batch: 2419102	
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane	99.9 %	50-200		05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2419099	
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW11  
E405098-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		96.5 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		106 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		104 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		96.5 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		102 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW12  
E405098-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		92.1 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		102 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW13

## E405098-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		110 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		92.8 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		101 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW14  
E405098-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		92.6 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	35.1	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		101 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW15

## E405098-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		111 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.6 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		103 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	28.4	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		102 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW16

## E405098-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		113 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		98.5 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		102 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	<b>Reported:</b> 5/9/2024 5:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

CSW17  
E405098-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		104 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		100 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	





## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW18

## E405098-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		102 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		103 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree 13 State Com 2 H  
Project Number: 01058-0007  
Project Manager: Gio Gomez

**Reported:**  
5/9/2024 5:09:12PM

## CSW19

## E405098-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Benzene	ND	0.0250	1	05/08/24	05/08/24	
Ethylbenzene	ND	0.0250	1	05/08/24	05/08/24	
Toluene	ND	0.0250	1	05/08/24	05/08/24	
o-Xylene	ND	0.0250	1	05/08/24	05/08/24	
p,m-Xylene	ND	0.0500	1	05/08/24	05/08/24	
Total Xylenes	ND	0.0250	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: EG		Batch: 2419098
Gasoline Range Organics (C6-C10)	ND	20.0	1	05/08/24	05/08/24	
Surrogate: Bromofluorobenzene		112 %	70-130	05/08/24	05/08/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	05/08/24	05/08/24	
Surrogate: Toluene-d8		105 %	70-130	05/08/24	05/08/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: KM		Batch: 2419102
Diesel Range Organics (C10-C28)	ND	25.0	1	05/08/24	05/08/24	
Oil Range Organics (C28-C36)	ND	50.0	1	05/08/24	05/08/24	
Surrogate: n-Nonane		101 %	50-200	05/08/24	05/08/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: IY		Batch: 2419099
Chloride	ND	20.0	1	05/08/24	05/08/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 5:09:12PM

Volatile Organic Compounds by EPA 8260B

Analyst: EG

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2419098-BLK1) Prepared: 05/08/24 Analyzed: 05/08/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.569		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2419098-BS1) Prepared: 05/08/24 Analyzed: 05/08/24

Benzene	2.66	0.0250	2.50		106	70-130			
Ethylbenzene	2.59	0.0250	2.50		104	70-130			
Toluene	2.57	0.0250	2.50		103	70-130			
o-Xylene	2.71	0.0250	2.50		108	70-130			
p,m-Xylene	5.44	0.0500	5.00		109	70-130			
Total Xylenes	8.15	0.0250	7.50		109	70-130			
Surrogate: Bromofluorobenzene	0.575		0.500		115	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.499		0.500		99.8	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			

Matrix Spike (2419098-MS1) Source: E405098-02 Prepared: 05/08/24 Analyzed: 05/08/24

Benzene	2.58	0.0250	2.50	ND	103	48-131			
Ethylbenzene	2.56	0.0250	2.50	ND	103	45-135			
Toluene	2.54	0.0250	2.50	ND	101	48-130			
o-Xylene	2.62	0.0250	2.50	ND	105	43-135			
p,m-Xylene	5.22	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.84	0.0250	7.50	ND	105	43-135			
Surrogate: Bromofluorobenzene	0.564		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.8	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike Dup (2419098-MSD1) Source: E405098-02 Prepared: 05/08/24 Analyzed: 05/08/24

Benzene	2.63	0.0250	2.50	ND	105	48-131	1.76	23	
Ethylbenzene	2.55	0.0250	2.50	ND	102	45-135	0.567	27	
Toluene	2.54	0.0250	2.50	ND	102	48-130	0.0788	24	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	1.79	27	
p,m-Xylene	5.12	0.0500	5.00	ND	102	43-135	1.96	27	
Total Xylenes	7.70	0.0250	7.50	ND	103	43-135	1.90	27	
Surrogate: Bromofluorobenzene	0.559		0.500		112	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.487		0.500		97.4	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:  5/9/2024 5:09:12PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: EG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2419098-BLK1) Prepared: 05/08/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.569		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.490		0.500		98.0	70-130			
Surrogate: Toluene-d8	0.519		0.500		104	70-130			

LCS (2419098-BS2) Prepared: 05/08/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	56.1	20.0	50.0		112	70-130			
Surrogate: Bromofluorobenzene	0.568		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			

Matrix Spike (2419098-MS2) Source: E405098-02 Prepared: 05/08/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	56.5	20.0	50.0	ND	113	70-130			
Surrogate: Bromofluorobenzene	0.572		0.500		114	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.524		0.500		105	70-130			

Matrix Spike Dup (2419098-MSD2) Source: E405098-02 Prepared: 05/08/24 Analyzed: 05/08/24

Gasoline Range Organics (C6-C10)	55.1	20.0	50.0	ND	110	70-130	2.53	20	
Surrogate: Bromofluorobenzene	0.565		0.500		113	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 5:09:12PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2419102-BLK1) Prepared: 05/08/24 Analyzed: 05/08/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.2		50.0		106	50-200			

LCS (2419102-BS1) Prepared: 05/08/24 Analyzed: 05/08/24

Diesel Range Organics (C10-C28)	243	25.0	250		97.1	38-132			
Surrogate: n-Nonane	52.1		50.0		104	50-200			

LCS Dup (2419102-BSD1) Prepared: 05/08/24 Analyzed: 05/08/24

Diesel Range Organics (C10-C28)	244	25.0	250		97.8	38-132	0.728	20	
Surrogate: n-Nonane	50.5		50.0		101	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	5/9/2024 5:09:12PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2419099-BLK1)					Prepared: 05/08/24 Analyzed: 05/08/24				
Chloride	ND	20.0							
LCS (2419099-BS1)					Prepared: 05/08/24 Analyzed: 05/08/24				
Chloride	263	20.0	250		105	90-110			
LCS Dup (2419099-BSD1)					Prepared: 05/08/24 Analyzed: 05/08/24				
Chloride	262	20.0	250		105	90-110	0.380	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree 13 State Com 2 H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	05/09/24 17:09

- ND      Analyte NOT DETECTED at or above the reporting limit
- NR      Not Reported
- RPD      Relative Percent Difference
- DNI      Did Not Ignite
- DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.



Project Information

Chain of Custody

Page 3 of 4

Client: Pima Environmental Services  
Project: Lone Tree 13 State Com ZH  
Project Manager: Glo Gomez  
Address: 5614 N. Lovington Hwy.  
City, State, Zip: Hobbs, NM, 88240  
Phone: 808-782-1151  
Email: glo@plmaoil.com  
Report due by:

Bill To  
Attention: Devon  
Address:  
City, State, Zip:  
Phone:  
Email:  
Pima Project # R-306

TAT		EPA Program			
1D	2D	3D	Standard	CWA	SDWA
X					
Analysis and Method				RCRA	
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0
BDOC NM	BDOC TX	State			
		NM	CO	UT	AZ
		X			

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
10:26	5/7	S		CS21	1							X		
10:31				CSW1	2									
10:38				CSW2	3									
10:42				CSW3	4									
10:46				CSW4	5									
10:51				CSW5	6									
10:53				CSW6	7									
11:06				CSW7	8									
11:12				CSW8	9									
11:17				CSW9	10									

Additional Instructions: Billing# 21165282

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C in subsequent days.

Relinquished by: (Signature) <u>Korime Adame</u>	Date <u>5/7/24</u>	Time <u>2:17</u>	Received by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1417</u>	Lab Use Only Received on ice: <u>(Y) N</u> T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
Relinquished by: (Signature) <u>Michelle Gonzales</u>	Date <u>5-7-24</u>	Time <u>1805</u>	Received by: (Signature) <u>L.H.</u>	Date <u>5-7-24</u>	Time <u>1805</u>	
Relinquished by: (Signature) <u>L.H.</u>	Date <u>5-7-24</u>	Time <u>2400</u>	Received by: (Signature) <u>[Signature]</u>	Date <u>5/8/24</u>	Time <u>0800</u>	

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other  
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA  
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.





Project Information

Chain of Custody

Page 4 of 4

Client: Pima Environmental Services  
Project: Lone Tree B State Com 2H  
Project Manager: Glo Gomez  
Address: 5614 N. Lovington Hwy.  
Hobbs, NM. 88240  
Phone: 806-782-1151  
Email: glo@pimaoil.com  
Report due by:

Bill To  
Attention: Devon  
Address:  
City, State, Zip  
Phone:  
Email:  
Pima Project # P-306

TAT				EPA Program	
1D	2D	3D	Standard	CWA	SDWA
<input checked="" type="checkbox"/>					
Analysis and Method				RCRA	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
11:21	5/7	S		CSW10	11							<input checked="" type="checkbox"/>		
11:29				CSW11	12									
11:31				CSW12	13									
11:36				CSW13	14									
11:42				CSW14	15									
11:45				CSW15	16									
11:51				CSW16	17									
12:02				CSW17	18									
12:07				CSW18	19									
12:16				CSW19	20									

Additional Instructions: Billing # 2116 5282

I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.

Sampled by:				Lab Use Only			
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	Received on Ice: <input checked="" type="checkbox"/> N	
<u>Larime Adame</u>	<u>5/7/24</u>	<u>2:17</u>	<u>Michelle Gonzales</u>	<u>5-7-24</u>	<u>1417</u>		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		
<u>Michelle Gonzales</u>	<u>5-7-24</u>	<u>1805</u>	<u>C.H.</u>	<u>5-7-24</u>	<u>1805</u>		
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time		
<u>C.H.</u>	<u>5-7-24</u>	<u>2400</u>	<u>[Signature]</u>	<u>5/8/24</u>	<u>0800</u>		
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other				Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			

Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.



## Envirotech Analytical Laboratory

Printed: 5/8/2024 3:43:20PM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	05/08/24 08:00	Work Order ID:	E405098
Phone:	(575) 631-6977	Date Logged In:	05/07/24 16:28	Logged In By:	Angelina Pineda
Email:	gio@pimaoil.com	Due Date:	05/08/24 17:00 (0 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? No
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e. 15 minute hold time, are not included in this discussion.

Carrier: CourierSample Turn Around Time (TAT)

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

Sample Cooler

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

Sample Container

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pca sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

Field Label

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? Yes

Sample Preservation

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

Multiphase Sample Matrix

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

Subcontract Laboratory

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

Client InstructionComments/Resolution

No. of containers and Sampled by not documented on COC by client. Project Lone Tree 13 State Com 2 H has been separated into multiple workorders due to high sample volume. WO are as follows: E405096, 405098

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.



Report to:  
Tom Bynum



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Lone Tree Draw 13 State Com 2H

Work Order: E412124

Job Number: 01058-0007

Received: 12/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
12/17/24

5796 U.S. Hwy 64  
Farmington, NM 87401

Phone: (505) 632-1881  
Envirotech-inc.com



Envirotech Inc. certifies the test results meet all requirements of TNI unless noted otherwise.  
Statement of Data Authenticity: Envirotech Inc. attests the data reported has not been altered in any way.  
Partial or incomplete reproduction of this report is prohibited, unless approved by Envirotech Inc.  
Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 12/17/24



Tom Bynum  
PO Box 247  
Plains, TX 79355-0247

Project Name: Lone Tree Draw 13 State Com 2H  
Workorder: E412124  
Date Received: 12/17/2024 7:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 12/17/2024 7:00:00AM, under the Project Name: Lone Tree Draw 13 State Com 2H.

The analytical test results summarized in this report with the Project Name: Lone Tree Draw 13 State Com 2H apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

Please review the Chain-of-Custody (COC) and Sample Receipt Checklist (SRC) for any issues regarding sample receipt temperature, containers, preservation etc. To best understand your test results, review the entire report summarizing your sample data and the associated quality control batch data.

All reported data in this analytical report were analyzed according to the referenced method(s) and are in compliance with the latest NELAC/TNI standards, unless otherwise noted. Samples or analytical quality control parameters not meeting specific QC criteria are qualified with a data flag. Data flag definitions are located in the Notes and Definitions section of this analytical report.

If you have any questions concerning this report, please feel free to contact Envirotech, Inc.

Respectfully,

**Walter Hinchman**  
Laboratory Director  
Office: 505-632-1881  
Cell: 775-287-1762  
[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

**Raina Schwanz**  
Laboratory Administrator  
Office: 505-632-1881  
[rainaschwanz@envirotech-inc.com](mailto:rainaschwanz@envirotech-inc.com)

Field Offices:

**Southern New Mexico Area**

**Lynn Jarboe**  
Laboratory Technical Representative  
Office: 505-421-LABS(5227)  
Cell: 505-320-4759  
[ljjarboe@envirotech-inc.com](mailto:ljjarboe@envirotech-inc.com)

**Michelle Gonzales**  
Client Representative  
Office: 505-421-LABS(5227)  
Cell: 505-947-8222  
[mgonzaless@envirotech-inc.com](mailto:mgonzaless@envirotech-inc.com)

Envirotech Web Address: [www.envirotech-inc.com](http://www.envirotech-inc.com)



## Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
C15-1'	5
W15-1'	6
QC Summary Data	7
QC - Volatile Organics by EPA 8021B	7
QC - Nonhalogenated Organics by EPA 8015D - GRO	8
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	9
QC - Anions by EPA 300.0/9056A	10
Definitions and Notes	11
Chain of Custody etc.	12

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 13 State Com 2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/17/24 13:41

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
C15-1'	E412124-01A	Soil	12/14/24	12/17/24	Glass Jar, 2 oz.
W15-1'	E412124-02A	Soil	12/14/24	12/17/24	Glass Jar, 2 oz.



## Sample Data

Pima Environmental Services-Carlsbad  
PO Box 247  
Plains TX, 79355-0247

Project Name: Lone Tree Draw 13 State Com 2H  
Project Number: 01058-0007  
Project Manager: Tom Bynum

**Reported:**  
12/17/2024 1:41:10PM

## C15-1'

## E412124-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451024	
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		90.6 %	70-130	12/17/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451024	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		93.7 %	70-130	12/17/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2451025	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/17/24	
<i>Surrogate: n-Nonane</i>		115 %	50-200	12/17/24	12/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2451023	
Chloride	ND	20.0	1	12/17/24	12/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 13 State Com 2H	<b>Reported:</b> 12/17/2024 1:41:10PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

W15-1'  
E412124-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451024	
Benzene	ND	0.0250	1	12/17/24	12/17/24	
Ethylbenzene	ND	0.0250	1	12/17/24	12/17/24	
Toluene	ND	0.0250	1	12/17/24	12/17/24	
o-Xylene	ND	0.0250	1	12/17/24	12/17/24	
p,m-Xylene	ND	0.0500	1	12/17/24	12/17/24	
Total Xylenes	ND	0.0250	1	12/17/24	12/17/24	
Surrogate: 4-Bromochlorobenzene-PID	89.1 %	70-130		12/17/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: IY		Batch: 2451024	
Gasoline Range Organics (C6-C10)	ND	20.0	1	12/17/24	12/17/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.4 %	70-130		12/17/24	12/17/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2451025	
Diesel Range Organics (C10-C28)	ND	25.0	1	12/17/24	12/17/24	
Oil Range Organics (C28-C36)	ND	50.0	1	12/17/24	12/17/24	
Surrogate: n-Nonane	113 %	50-200		12/17/24	12/17/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2451023	
Chloride	ND	20.0	1	12/17/24	12/17/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 13 State Com 2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/17/2024 1:41:10PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2451024-BLK1)

Prepared: 12/17/24 Analyzed: 12/17/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.12		8.00		89.0	70-130			

LCS (2451024-BS1)

Prepared: 12/17/24 Analyzed: 12/17/24

Benzene	4.73	0.0250	5.00		94.5	70-130			
Ethylbenzene	4.60	0.0250	5.00		92.0	70-130			
Toluene	4.68	0.0250	5.00		93.6	70-130			
o-Xylene	4.58	0.0250	5.00		91.7	70-130			
p,m-Xylene	9.35	0.0500	10.0		93.5	70-130			
Total Xylenes	13.9	0.0250	15.0		92.9	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.13		8.00		89.2	70-130			

LCS Dup (2451024-BSD1)

Prepared: 12/17/24 Analyzed: 12/17/24

Benzene	4.88	0.0250	5.00		97.6	70-130	3.24	20	
Ethylbenzene	4.75	0.0250	5.00		95.1	70-130	3.33	20	
Toluene	4.84	0.0250	5.00		96.9	70-130	3.43	20	
o-Xylene	4.74	0.0250	5.00		94.9	70-130	3.43	20	
p,m-Xylene	9.66	0.0500	10.0		96.6	70-130	3.33	20	
Total Xylenes	14.4	0.0250	15.0		96.0	70-130	3.36	20	
Surrogate: 4-Bromochlorobenzene-PID	7.07		8.00		88.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 13 State Com 2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/17/2024 1:41:10PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2451024-BLK1) Prepared: 12/17/24 Analyzed: 12/17/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.55		8.00		94.4	70-130			

LCS (2451024-BS2) Prepared: 12/17/24 Analyzed: 12/17/24

Gasoline Range Organics (C6-C10)	46.9	20.0	50.0		93.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.7	70-130			

LCS Dup (2451024-BSD2) Prepared: 12/17/24 Analyzed: 12/17/24

Gasoline Range Organics (C6-C10)	41.8	20.0	50.0		83.7	70-130	11.3	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.52		8.00		94.0	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 13 State Com 2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/17/2024 1:41:10PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
---------	-----------------	-----------------------------	-------------------------	---------------------------	----------	--------------------	----------	-------------------	-------

Blank (2451025-BLK1)					Prepared: 12/17/24 Analyzed: 12/17/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	60.5		50.0		121	50-200			

LCS (2451025-BS1)					Prepared: 12/17/24 Analyzed: 12/17/24				
Diesel Range Organics (C10-C28)	280	25.0	250		112	38-132			
Surrogate: n-Nonane	58.2		50.0		116	50-200			

LCS Dup (2451025-BSD1)					Prepared: 12/17/24 Analyzed: 12/17/24				
Diesel Range Organics (C10-C28)	290	25.0	250		116	38-132	3.18	20	
Surrogate: n-Nonane	60.7		50.0		121	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 13 State Com 2H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/17/2024 1:41:10PM

Anions by EPA 300.0/9056A

Analyst: DT

Analyte	Result	Reporting Limit	Spike Level	Source Result	Rec	Rec Limits	RPD	RPD Limit	Notes
	mg/kg	mg/kg	mg/kg	mg/kg	%	%	%	%	

Blank (2451023-BLK1)					Prepared: 12/17/24 Analyzed: 12/17/24				
Chloride	ND	20.0							
LCS (2451023-BS1)					Prepared: 12/17/24 Analyzed: 12/17/24				
Chloride	256	20.0	250		103	90-110			
LCS Dup (2451023-BSD1)					Prepared: 12/17/24 Analyzed: 12/17/24				
Chloride	257	20.0	250		103	90-110	0.181	20	

QC Summary Report Comment:  
Calculations are based off of the raw (non-rounded) data. However, for reporting purposes all QC data is rounded to three significant figures.  
Therefore, hand calculated values may differ slightly.



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 13 State Com 2H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	12/17/24 13:41

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

Note (1): Methods marked with \*\* are non-accredited methods.

Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

## Project Information

## Chain of Custody

Page 1 of 1

<b>Client:</b> Pima Environmental Services <b>Project:</b> Lone Tree Draw 13 State Com 2H <b>Project Manager:</b> Tom Bynum <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 806-782-1151 <b>Email:</b> tom@pimaoil.com <b>Report due by:</b>		<b>Bill To</b> <b>Attention:</b> Devon Energy <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> 1-306 (nAB1909833450)		<b>Lab Use Only</b> <b>Lab WO#</b> E 412124 <b>Job Number</b> 01053-0007		<b>TAT</b> 1D 2D 3D Standard X				<b>EPA Program</b> CWA SDWA RCRA	
				<b>Analysis and Method</b> DRO/ORO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BDOC NM BDOC TX				<b>State</b> NM CO UT AZ TX X		<b>Remarks</b>	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BDOC NM	BDOC TX	Remarks
10:37am	12/14/24	S	1	C15-1'	1							X		
10:49am	12/14/24	S	1	W15-1'	2							X		

<b>Additional Instructions:</b> Work Order/Billing: 21165282					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.					
Relinquished by: (Signature) <u>Karine Adams</u> Date <u>12-16-24</u> Time <u>16:40</u>					
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>12-16-24</u> Time <u>17:00</u>					
Relinquished by: (Signature) <u>John H.</u> Date <u>12-16-24</u> Time <u>2400</u>					
Received by: (Signature) <u>Michelle Gonzales</u> Date <u>12-16-24</u> Time <u>1440</u>					
Received by: (Signature) <u>John H.</u> Date <u>12-16-24</u> Time <u>1700</u>					
Received by: (Signature) <u>Karina Schwantz</u> Date <u>12-16-24</u> Time <u>7:00</u>					
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____					
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA					
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.					

## Envirotech Analytical Laboratory

Printed: 12/17/2024 7:49:57AM

## Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

If we receive no response concerning these items within 24 hours of the date of this notice, all the samples will be analyzed as requested.

Client:	Pima Environmental Services-Carlsbad	Date Received:	12/17/24 07:00	Work Order ID:	E412124
Phone:	(575) 631-6977	Date Logged In:	12/16/24 14:48	Logged In By:	Caitlin Mars
Email:	tom@pimaoil.com	Due Date:	12/17/24 17:00 (0 day TAT)		

**Chain of Custody (COC)**

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? Yes
5. Were all samples received within holding time? Yes

Note: Analysis, such as pH which should be conducted in the field, i.e., 15 minute hold time, are not included in this discussion.

Carrier: Courier**Comments/Resolution**

Sampled by not provided on COC.

**Sample Turn Around Time (TAT)**

6. Did the COC indicate standard TAT, or Expedited TAT? Yes

**Sample Cooler**

7. Was a sample cooler received? Yes
8. If yes, was cooler received in good condition? Yes
9. Was the sample(s) received intact, i.e., not broken? Yes
10. Were custody/security seals present? No
11. If yes, were custody/security seals intact? NA
12. Was the sample received on ice? If yes, the recorded temp is 4°C, i.e., 6°±2°C? Yes

Note: Thermal preservation is not required, if samples are received w/i 15 minutes of sampling

13. If no visible ice, record the temperature. Actual sample temperature: 4°C

**Sample Container**

14. Are aqueous VOC samples present? No
15. Are VOC samples collected in VOA Vials? NA
16. Is the head space less than 6-8 mm (pea sized or less)? NA
17. Was a trip blank (TB) included for VOC analyses? NA
18. Are non-VOC samples collected in the correct containers? Yes
19. Is the appropriate volume/weight or number of sample containers collected? Yes

**Field Label**

20. Were field sample labels filled out with the minimum information:
  - Sample ID? Yes
  - Date/Time Collected? Yes
  - Collectors name? No

**Sample Preservation**

21. Does the COC or field labels indicate the samples were preserved? No
22. Are sample(s) correctly preserved? NA
24. Is lab filtration required and/or requested for dissolved metals? No

**Multiphase Sample Matrix**

26. Does the sample have more than one phase, i.e., multiphase? No
27. If yes, does the COC specify which phase(s) is to be analyzed? NA

**Subcontract Laboratory**

28. Are samples required to get sent to a subcontract laboratory? No
29. Was a subcontract laboratory specified by the client and if so who? NA Subcontract Lab: NA

**Client Instruction**

Signature of client authorizing changes to the COC or sample disposition.

Date



envirotech Inc.

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS

Action 414198

**QUESTIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Prerequisites</b>	
Incident ID (n#)	nAB1909833450
Incident Name	NAB1909833450 LONE TREE DRAW 13 STATE COM #002H @ 30-015-40372
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received
Incident Well	[30-015-40372] LONE TREE DRAW 13 STATE COM #002H

**Location of Release Source**

Please answer all the questions in this group.

Site Name	LONE TREE DRAW 13 STATE COM #002H
Date Release Discovered	08/24/2018
Surface Owner	Private

**Incident Details**

Please answer all the questions in this group.

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

**Nature and Volume of Release**

Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.

Crude Oil Released (bbls) Details	Not answered.
Produced Water Released (bbls) Details	Cause: Overflow - Tank, Pit, Etc.   Tank (Any)   Produced Water   Released: 5 BBL   Recovered: 5 BBL   Lost: 0 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.



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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 2

Action 414198

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	More info needed to determine if this will be treated as a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

The responsible party must undertake the following actions immediately unless they could create a safety hazard that would result in injury.

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

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

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

I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dvni.com Date: 12/20/2024
--	---

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 3

Action 414198

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414198
	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)	Less than or equal 25 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Between 1 and 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 1 and 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between ½ and 1 (mi.)
A subsurface mine	Between 1 and 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	High
A 100-year floodplain	Between 1 and 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

**Remediation Plan**

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
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

**Soil Contamination Sampling:** (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	450
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	181
GRO+DRO (EPA SW-846 Method 8015M)	100
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	08/15/2024
On what date will (or did) the final sampling or liner inspection occur	08/22/2024
On what date will (or was) the remediation complete(d)	12/18/2024
What is the estimated surface area (in square feet) that will be reclaimed	6266
What is the estimated volume (in cubic yards) that will be reclaimed	285
What is the estimated surface area (in square feet) that will be remediated	6266
What is the estimated volume (in cubic yards) that will be remediated	285

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.

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 4

Action 414198

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
(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	LEA LAND LANDFILL [fEEM0112342028]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: James Raley Title: EHS Professional Email: jim.raley@dv.com Date: 12/20/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 5

Action 414198

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414198
	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



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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 414198

**QUESTIONS (continued)**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	411121
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	12/14/2024
What was the (estimated) number of samples that were to be gathered	2
What was the sampling surface area in square feet	200

**Remediation Closure Request**

*Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.*

Requesting a remediation closure approval with this submission	Yes
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
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	Yes
What was the total surface area (in square feet) remediated	6266
What was the total volume (cubic yards) remediated	285
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	Yes
What was the total surface area (in square feet) reclaimed	6266
What was the total volume (in cubic yards) reclaimed	285
Summarize any additional remediation activities not included by answers (above)	Excavation performed with hand tools and mechanical equipment.

*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: James Raley Title: EHS Professional Email: jim.raley@dvn.com Date: 12/20/2024
--	--

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

General Information  
Phone: (505) 629-6116

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

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

QUESTIONS, Page 7  
  
Action 414198

QUESTIONS (continued)

Operator:  DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:  6137
	Action Number:  414198
	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

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

General Information  
Phone: (505) 629-6116

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

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

CONDITIONS

Action 414198

**CONDITIONS**

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 414198
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**CONDITIONS**

Created By	Condition	Condition Date
bhall	Remediation closure report conditionally approved.	12/26/2024
bhall	In the next submittal, the site characterization data must be updated as there are wetlands within 1,000 feet and 1/2 a mile of the release. Additionally, there is a significant watercourse located between 1/2 a mile and 1 mile of the release.	12/26/2024
bhall	A reclamation report will not be accepted until reclamation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/26/2024
bhall	The reclamation report will need to include: Executive Summary of the reclamation activities; Scaled Site Map including sampling locations; Analytical results including, but not limited to, results showing that any remaining impacts meet the reclamation standards and results to prove the backfill is non-waste containing; At least one (1) representative 5-point composite sample will need to be collected from the backfill material that will be used for the reclamation of the top four feet of the excavation. The OCD reserves the right to request additional sampling if needed; pictures of the backfilled areas showing that the area is back, as nearly as practical, to the original condition or the final land use and maintain those areas to control dust and minimize erosion to the extent practical; pictures of the top layer, which is either the background thickness of topsoil or one foot of suitable material to establish vegetation at the site, whichever is greater; and a revegetation plan.	12/26/2024
bhall	A revegetation report will not be accepted until revegetation of the release area, including areas reasonably needed for production or drilling activities, is complete and meet the requirements of 19.15.29.13 NMAC. Areas not reasonably needed for production or drilling activities will still need to be reclaimed and revegetated as early as practicable.	12/26/2024
bhall	All revegetation activities will need to be documented and included in the revegetation report. The revegetation report will need to include: An executive summary of the revegetation activities including: Seed mix, Method of seeding, dates of when the release area was reseeded, information pertinent to inspections, information about any amendments added to the soil, information on how the vegetative cover established meets the life-form ratio of plus or minus fifty percent of pre-disturbance levels and a total percent plant cover of at least seventy percent of pre-disturbance levels, excluding noxious weeds per 19.15.29.13 D.(3) NMAC, and any additional information; a scaled Site Map including area that was revegetated in square feet; and pictures of the revegetated areas during reseeding activities, inspections, and final pictures when revegetation is achieved.	12/26/2024