

**Spill Volume(Bbls) Calculator***Inputs in blue, Outputs in red*

Length(Ft)	Width(Ft)	Depth(In)
<u>75.000</u>	<u>55.000</u>	<u>1.000</u>
Cubic Feet Impacted		<u>343.750</u>
Barrels		<u>61.22</u>
Soil Type		Clay/Sand
Bbls Assuming 100% Saturation		<u>9.18</u>
Saturation	Fluid present with shovel/backhoe	
Estimated Barrels Released		9.20000

**Instructions**

1. Input spill measurements below. Length and width need to be input in feet and depth in inches.

2. Select a soil type from the drop down menu.

3. Select a saturation level from the drop down menu.

(For data gathering instructions see appendix tab)

**Measurements**

Length (ft)	75
Width (ft)	55
Depth (in)	1.000











November 6, 2024

NMOCD District 2  
Artesia, NM 88210

Bureau of Land Management  
Carlsbad Field Office

**Re:     Site Assessment, Remediation, and Closure Request**  
**DD Tinhorn #34**  
**API No. N/A**  
**GPS: Latitude 32.70932 Longitude -104.40611**  
**UL “C”, Sec. 32, T18S, R26E**  
**Eddy County, NM**  
**NMOCD Ref. No. nAPP2315645279**

Paragon Environmental, LLC (Paragon) has been contracted by Spur Energy Partners (Spur) to perform backfill activities for the release site known as the DD Tinhorn #34 (Tinhorn). Details of the release are summarized below:

Release Details			
Type of Release:	Produced Water	Volume of Release:	9 bbls
		Volume Recovered:	1 bbls
Source of Release:	Pipeline	Date of Release:	06/03/2023
Was Immediate Notice Given?	No	If, Yes, to Whom?	N/A
Was a Watercourse Reached?	No	If Yes, Volume Impacting Watercourse:	N/A
Surface Owner:	Private	Mineral Owner:	Federal
The release was caused by a pipeline due to faulty pipe fitting.			

Topographical and Wetlands Maps are provided in Figures #2 and #4.

## REGULATORY FRAMEWORK & SITE CHARACTERIZATION

Surface impacts from unauthorized releases of fluids or gases are generally regulated by the New Mexico Oil Conservation Division (NMOCD) in accordance with 19.15.29 of the New Mexico Administrative Code (NMAC). 19.15.29 NMAC establishes reporting, site assessment/characterization, remediation, closure, variance, and enforcement procedures. Table I of 19.15.29.12 NMAC determines the closure criteria for soils impacted by a release based on depth to groundwater and the following characteristics:

- Depth to Groundwater in the affected area 75-100'
- Method to determine DTW NM OSE
- Did the release impact groundwater or surface water No

Depth to groundwater information is provided in Appendix A.

What are the minimum distances between the closest lateral extents of the release and the following surface areas:

- A Continuously flowing watercourse or any other significant watercourse- 1-5 mile
- Any lakebed, sinkhole, or playa lake- 1-5 mi
- An occupied permanent residence, school, hospital, institution, or church- 1/2-1 mi
- A spring or a private domestic fresh water well used by less than 5 households for domestic or stock watering purposes- 1/2-1 mi
- Any other fresh water well or spring- 1-5 mi
- Incorporated municipal boundaries or a defined municipal fresh water well field- 1-5 mi
- A wetland- 1-5 mi
- A subsurface mine- >5 mi
- An (non-karst) unstable area- >5 mi
- Categorize the risk of this well/site being in a karst area geology- Low
- A 100-year floodplain- 1/2-1 mi
- Did the release impact areas not on an exploration, development, production, or storage site- No

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is in the Piedmont alluvial deposits (Holocene to lower Pleistocene)- Includes deposits of higher gradient tributaries bordering major stream valleys, alluvial veneers of the Piedmont slope, and alluvial fans. It may locally include uppermost Pliocene deposits (QP). The soil in this area is made up of Reagan loam, with 0 to 1 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service. The drainage courses in this area are well-drained.

The Soil Survey and FEMA Flood Map are provided in Appendix B. A Karst Map is provided in Figure #3.

### INITIAL ASSESSMENT & REMEDIATION ACTIVITIES

Another company conducted an initial assessment and remediation activities. They excavated the site and were then removed from the project. Their excavation was 5 feet in depth throughout the spill area. Spur brought in a different company to obtain samples and determine if the excavation was complete or if additional material would need to be removed. The results from this sampling event are in the following data table:

## 7-24-22 Laboratory Results

NMOCB Table 1 Closure Criteria 15.15.29 NMOC (Depth to Groundwater is >100')									
Spur Energy DD Tishorn 34 Pipeline									
NM Approved Laboratory Results									
Sample ID	Sample Date:	Depth (ft)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
S1	7/24/2024	2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	21
		8'	ND	ND	ND	ND	ND	0	36.1
S2		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	ND
		8'	ND	ND	ND	ND	ND	0	ND
S3		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	21.4
		8'	ND	ND	ND	ND	ND	0	93.4
S4		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	21.4
		8'	ND	ND	ND	ND	ND	0	31
S5		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	23.2
		8'	ND	ND	ND	ND	ND	0	43.4
S6		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	48.9
		8'	ND	ND	ND	ND	ND	0	58.3
S7		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	41
		8'	ND	ND	ND	ND	ND	0	ND
S8		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	40
		8'	ND	ND	ND	ND	ND	0	ND
S9		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	37.3
		8'	ND	ND	ND	ND	ND	0	28
S10		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	38.6
		8'	ND	ND	ND	ND	ND	0	201
S11		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	39.2
		8'	ND	ND	ND	ND	ND	0	238
S12		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	38.8
		8'	ND	ND	ND	ND	ND	0	239
S13		2'	ND	ND	ND	ND	ND	0	ND
		6'	ND	ND	ND	ND	ND	0	37.8
		8'	ND	ND	ND	ND	ND	0	ND
HD1		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND
HD2		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND
HD3		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND
HD4		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND
HD5		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND
HD6		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND
HD7		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND
HD8		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND
HD9		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND
HD10		0-2'	ND	ND	ND	ND	ND	0	ND
		3-5'	ND	ND	ND	ND	ND	0	ND

(ND) Analyte Not Detected

Laboratory data is attached in Appendix D

A Site Map is provided in Figure #1.

### CONFIRMATION SAMPLING AND BACKFILL ACTIVITIES

Spur contacted us to finish this project and bring it to closure. On September 12, 2024, Paragon submitted a sampling notification in the NMOCD portal. The landowner specified that they wanted samples 3 feet below the excavation. Since the data from the bottom of the excavation was below the closure criteria, we obliged the landowner's request. These results are in the following data table:

9-17-24 Confirmation Laboratory Results

SampleName	Sampled	Units	Benzene	Chloride	DRO >C10-C28	Ethylbenzene	EXT DRO >C28-C36	GRO C6-C10	Toluene	Total BTEX	Total Xylenes
B - 1 8'	9/17/24 0:00	mg/kg	<0.050	2320	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 2 8'	9/17/24 0:00	mg/kg	<0.050	3360	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 3 8'	9/17/24 0:00	mg/kg	<0.050	3560	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 4 8'	9/17/24 0:00	mg/kg	<0.050	2680	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 5 8'	9/17/24 0:00	mg/kg	<0.050	160	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 6 8'	9/17/24 0:00	mg/kg	<0.050	176	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 7 8'	9/17/24 0:00	mg/kg	<0.050	384	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 8 8'	9/17/24 0:00	mg/kg	<0.050	112	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 9 8'	9/17/24 0:00	mg/kg	<0.050	208	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 10 8'	9/17/24 0:00	mg/kg	<0.050	160	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 11 8'	9/17/24 0:00	mg/kg	<0.050	160	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 12 8'	9/17/24 0:00	mg/kg	<0.050	208	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 13 8'	9/17/24 0:00	mg/kg	<0.050	128	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 14 8'	9/17/24 0:00	mg/kg	<0.050	240	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 15 8'	9/17/24 0:00	mg/kg	<0.050	80	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 16 8'	9/17/24 0:00	mg/kg	<0.050	128	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 17 8'	9/17/24 0:00	mg/kg	<0.050	96	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 18 8'	9/17/24 0:00	mg/kg	<0.050	288	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 19 8'	9/17/24 0:00	mg/kg	<0.050	336	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 20 8'	9/17/24 0:00	mg/kg	<0.050	240	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 21 8'	9/17/24 0:00	mg/kg	<0.050	192	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 22 8'	9/17/24 0:00	mg/kg	<0.050	144	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 23 8'	9/17/24 0:00	mg/kg	<0.050	224	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 24 8'	9/17/24 0:00	mg/kg	<0.050	224	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 25 8'	9/17/24 0:00	mg/kg	<0.050	448	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 26 8'	9/17/24 0:00	mg/kg	<0.050	16	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 27 8'	9/17/24 0:00	mg/kg	<0.050	48	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 28 8'	9/17/24 0:00	mg/kg	<0.050	16	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 29 8'	9/17/24 0:00	mg/kg	<0.050	416	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 30 8'	9/17/24 0:00	mg/kg	<0.050	16	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 31 8'	9/17/24 0:00	mg/kg	<0.050	32	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 32 8'	9/17/24 0:00	mg/kg	<0.050	16	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 33 8'	9/17/24 0:00	mg/kg	<0.050	448	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 34 8'	9/17/24 0:00	mg/kg	<0.050	16	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 35 8'	9/17/24 0:00	mg/kg	<0.050	48	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 36 8'	9/17/24 0:00	mg/kg	<0.050	16	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 37 8'	9/17/24 0:00	mg/kg	<0.050	368	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 38 8'	9/17/24 0:00	mg/kg	<0.050	16	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 39 8'	9/17/24 0:00	mg/kg	<0.050	48	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 40 8'	9/17/24 0:00	mg/kg	<0.050	32	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 41 8'	9/17/24 0:00	mg/kg	<0.050	288	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 42 8'	9/17/24 0:00	mg/kg	<0.050	16	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 43 8'	9/17/24 0:00	mg/kg	<0.050	48	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 44 8'	9/17/24 0:00	mg/kg	<0.050	32	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 45 8'	9/17/24 0:00	mg/kg	<0.050	320	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 46 8'	9/17/24 0:00	mg/kg	<0.050	32	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 47 8'	9/17/24 0:00	mg/kg	<0.050	64	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
B - 48 8'	9/17/24 0:00	mg/kg	<0.050	32	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
ESW - 1 8'	9/17/24 0:00	mg/kg	<0.050	2360	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
ESW - 2 8'	9/17/24 0:00	mg/kg	<0.050	384	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
ESW - 3 8'	9/17/24 0:00	mg/kg	<0.050	480	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
ESW - 4 8'	9/17/24 0:00	mg/kg	<0.050	32	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
NSW - 1 8'	9/17/24 0:00	mg/kg	<0.050	1840	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
NSW - 2 8'	9/17/24 0:00	mg/kg	<0.050	256	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
NSW - 3 8'	9/17/24 0:00	mg/kg	<0.050	160	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
SSW - 1 8'	9/17/24 0:00	mg/kg	<0.050	32	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
WSW - 1 8'	9/17/24 0:00	mg/kg	<0.050	32	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150
WSW - 2 8'	9/17/24 0:00	mg/kg	<0.050	32	<10.0	<0.050	<10.0	<10.0	<0.050	<0.300	<0.150

(ND) Analyte Not Detected

These laboratory analytical results showed that the confirmation soil samples were below NMOCD Closure Criteria. The excavated soils were loaded into trucks and transported to Lea Land, an NMOCD-approved waste disposal facility.

The landowner, Mr. Wilson, injected his desire to complete the project and wanted to install a bentonite clay liner at the bottom of the excavation before backfilling. He also stated that the backfill material came from his personal pit, where he knew the material would be clean of any contaminants and maintain his native soils. On September 18, 2024, Paragon mobilized personnel and heavy equipment to install the liner. Photos of this event are attached in Appendix C, Photographic Documentation. After receiving laboratory analytical results below the closure criteria, the excavated areas were backfilled with “like” material from the landowner’s localized pit. The affected area was then contoured and machine-compacted to match the surrounding grade.

The area measured approximately 9600 S/F with a perimeter measuring 500 Feet. Approximately 1777 C/Y was removed.

### CLOSURE REQUEST

After careful review, Paragon requests that the incident, nAPP2315645279, be closed. Spur has complied with the applicable closure requirements outlined in rule 19.15.19.12 NMAC.

If you have any questions or need additional information, please get in touch with Tristan Jones by phone at (575)318-6841 or email at [tristan@paragonenvironmental.net](mailto:tristan@paragonenvironmental.net).

Respectfully,



Tristan Jones  
Project Coordinator  
Paragon Environmental, LLC



Chris Jones  
Environmental Professional  
Paragon Environmental, LLC



### Attachments

#### **Figures:**

- 1- Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Sample Maps

#### **Appendices:**

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and FEMA Flood Map
- Appendix C – Email Notification & Photographic Documentation
- Appendix D – Laboratory Reports



Figures:

- 1- Site Map
- 2- Topo Map
- 3- Karst Map
- 4- Wetlands Map
- 5- Confirmation Map

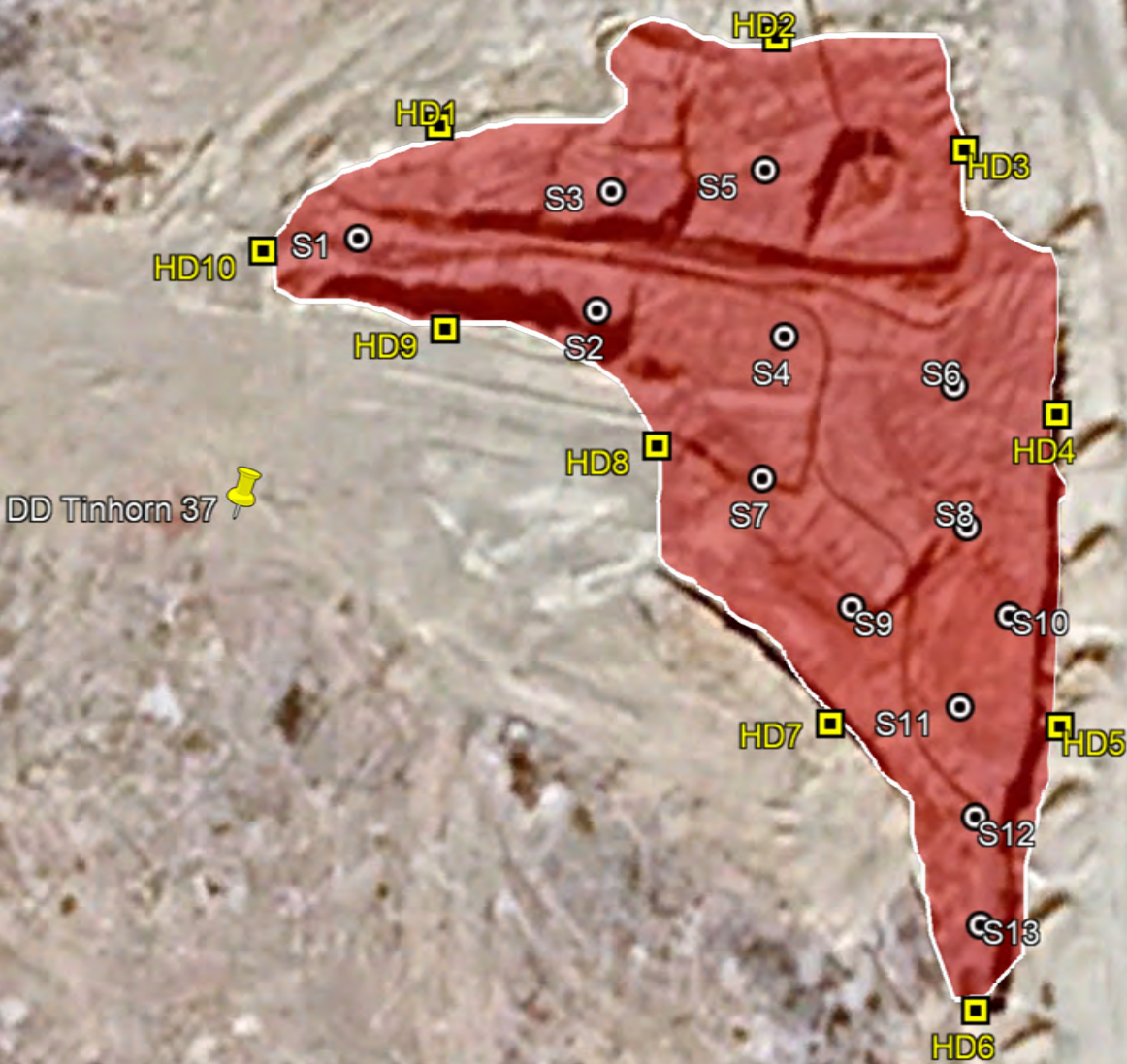


# DD Tinhorn #34

Spur Energy  
API: N/A  
Eddy County, NM  
Site Map

## Legend

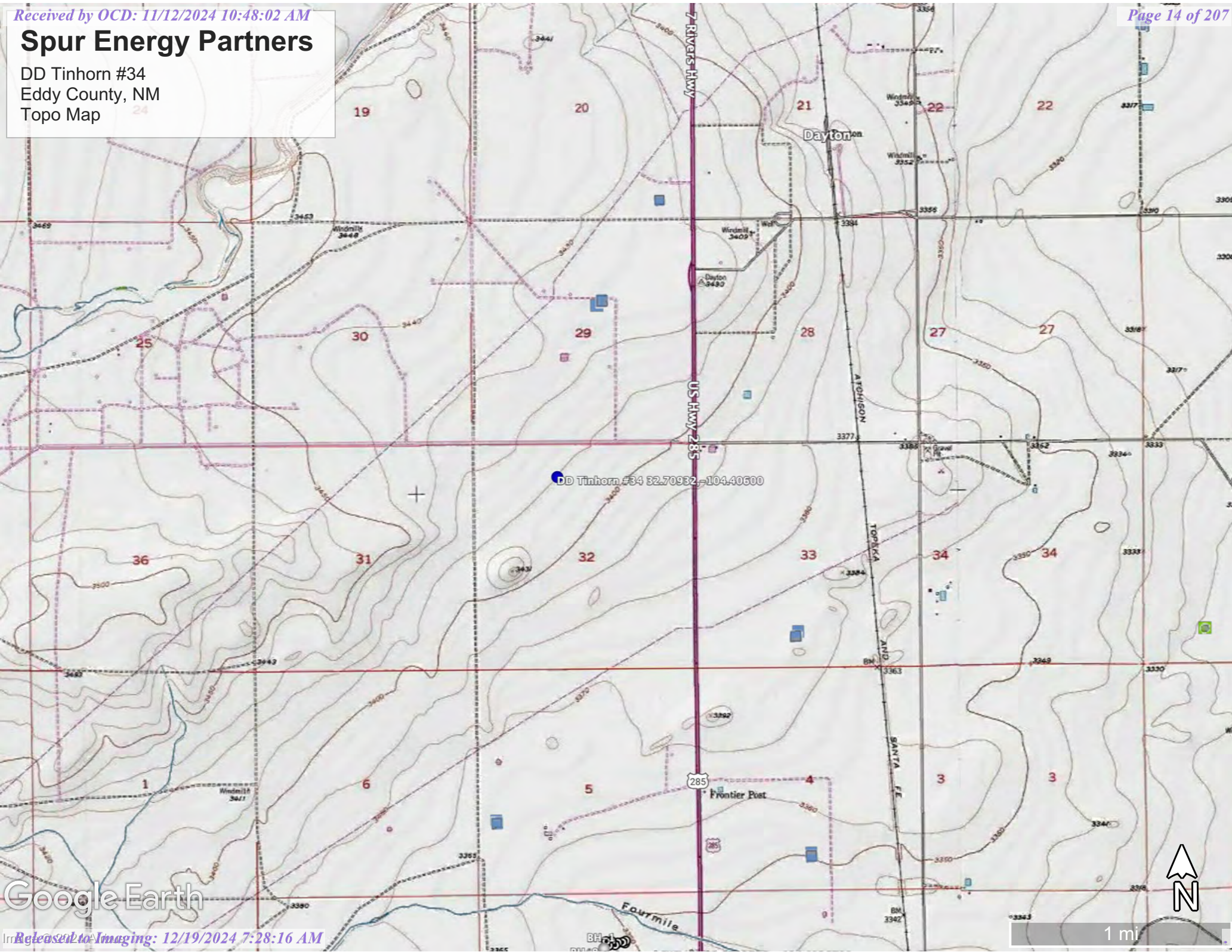
- 5' Excavated Area
- Bottom Sample
- DD Tinhorn 37
- Side Wall Sample





# Spur Energy Partners

DD Tinhorn #34  
Eddy County, NM  
Topo Map



Google Earth



# DD Tinhorn 34 Pipeline

Spur Energy  
API: N/A  
Eddy County, NM  
Karst Map

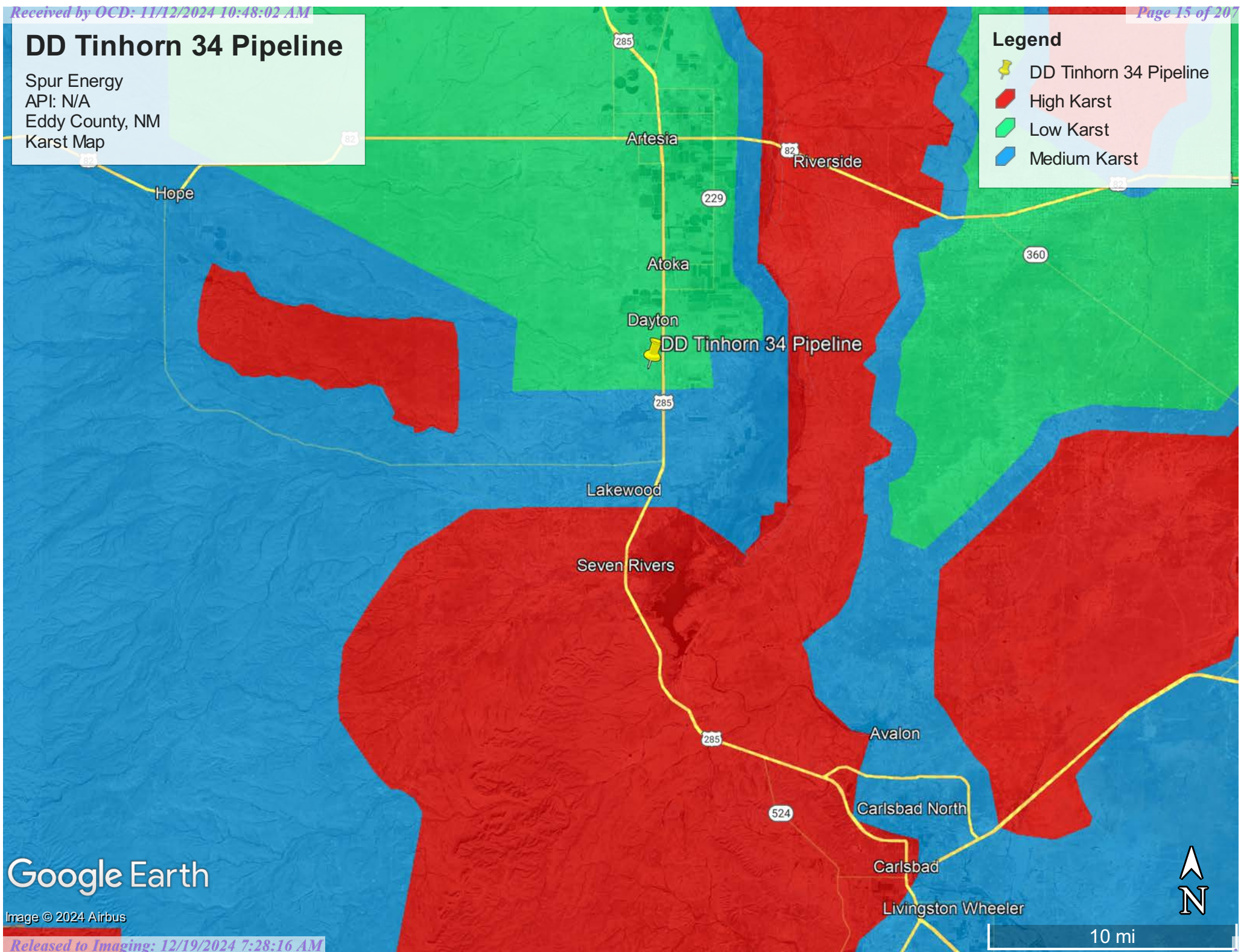
Legend

 DD Tinhorn 34 Pipeline

 High Karst

 Low Karst

 Medium Karst

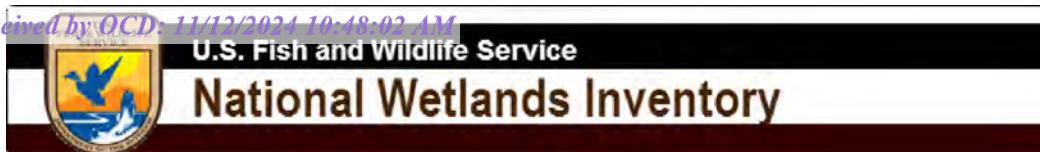


Google Earth

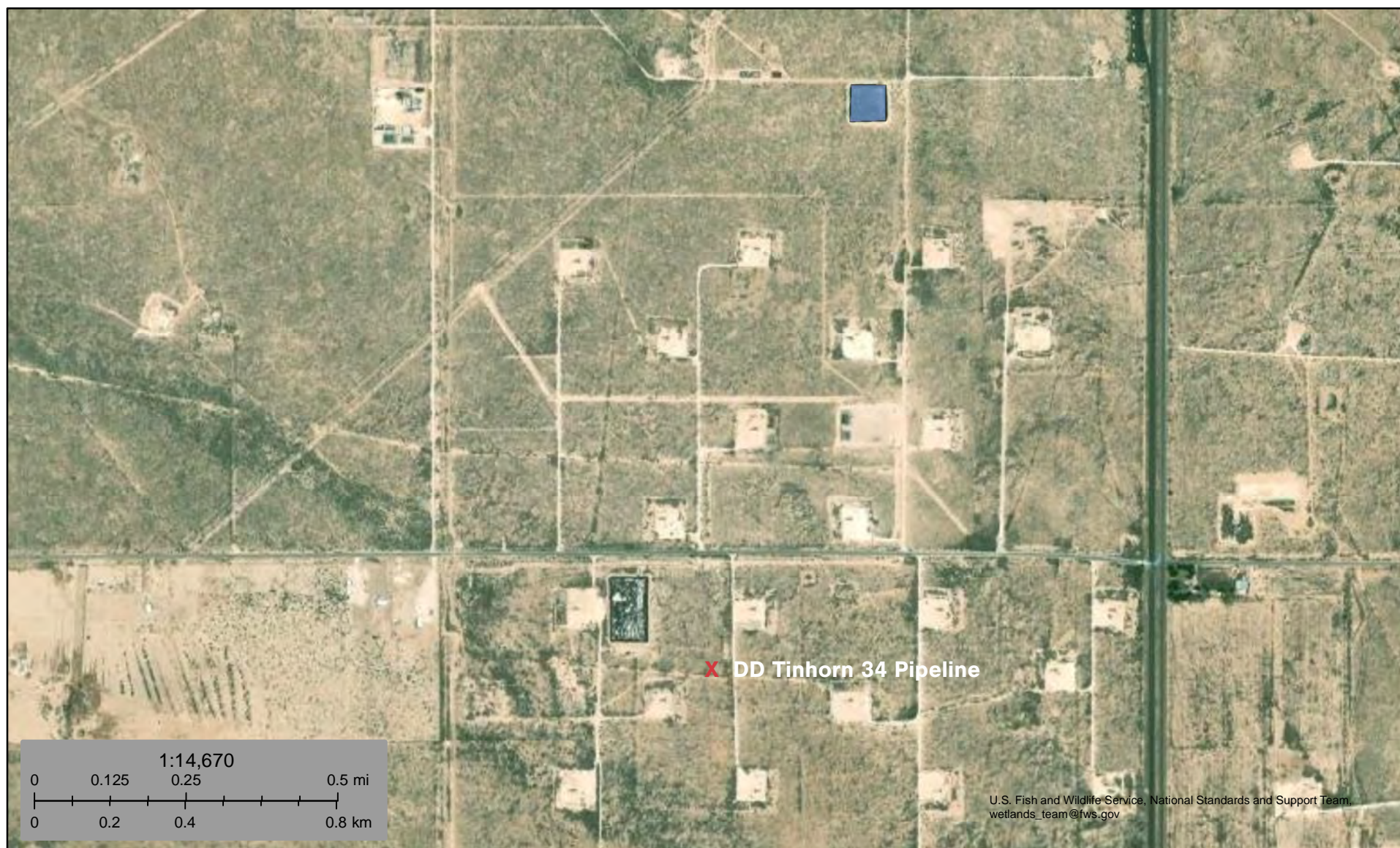
Image © 2024 Airbus

10 mi





## Wetlands Map



July 18, 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.



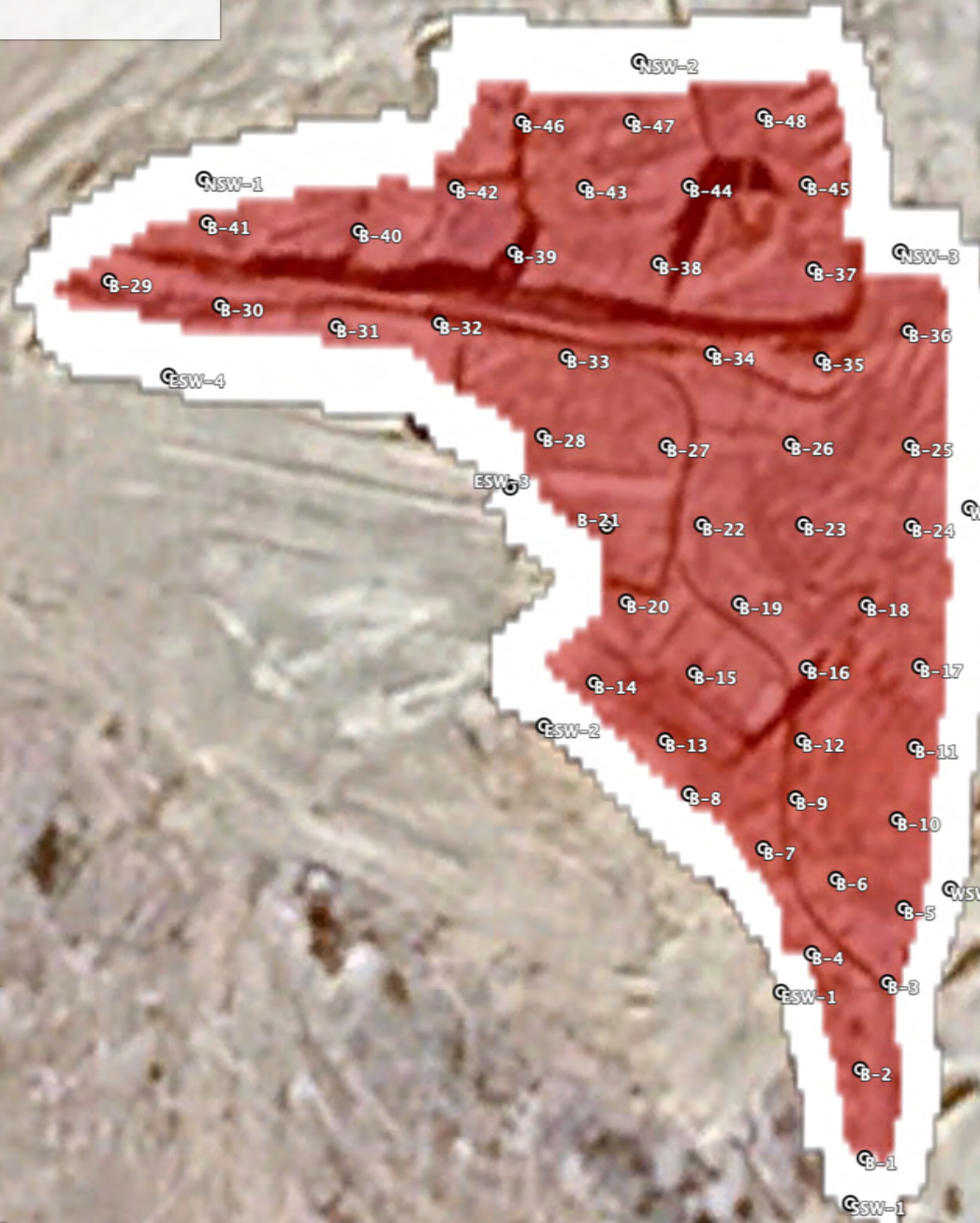
# Spur Energy Partners

DD Tinhorn #34  
Eddy County, NM  
Confirmation Map

DD Tinhorn #34 32.70932,-104.40600

## Legend

- DD Tinhorn #34 32.70932,-104.40600
- Samples
- Spill Area 9,600 S/F Perimeter 500 Feet



Google Earth



## Appendix A:

### Referenced Water Data

New Mexico State of Engineers Office



# 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="#">RA 04136</a>		RA	ED	1	1	32	18S	26E		555246	3619273*	418	152	90	62
<a href="#">RA 13308 POD1</a>		RA	ED	2	2	2	31	18S	36E	554912	3619330	757	274	145	129
<a href="#">RA 13336 POD1</a>		RA	ED	4	4	4	30	18S	26E	554857	3619479	845	270	115	155
<a href="#">RA 08812 REPAR</a>		RA	ED	4	4	29	18S	26E		556451	3619679*	914	350	150	200
<a href="#">RA 09286</a>		RA	ED	2	4	4	29	18S	26E	556550	3619778*	1050	300		
<a href="#">RA 01474 REPAR</a>		RA	ED	1	1	1	33	18S	26E	556754	3619377*	1104	200		
<a href="#">RA 01474 SUP</a>		RA	ED	1	1	1	33	18S	26E	556754	3619377*	1104	210		
<a href="#">RA 01474 CLW</a>		RA	ED	2	3	1	33	18S	26E	556956	3618975*	1317	225		
<a href="#">RA 04160</a>		RA	ED	1	4	1	29	18S	26E	555542	3620580*	1367	160	100	60
<a href="#">RA 01474</a>		RA	ED	4	3	1	33	18S	26E	556956	3618775*	1368	300		
<a href="#">RA 11633 POD1</a>		RA	ED	2	1	2	05	19S	26E	556059	3617756	1514	180	130	50
<a href="#">RA 08999</a>		RA	ED	4	2	1	31	18S	26E	554138	3619158*	1524	222	80	142
<a href="#">RA 11733 POD1</a>		RA	ED	2	1	2	05	19S	26E	556153	3617740	1557	210	143	67
<a href="#">RA 07260</a>		RA	ED	1	2	05	19S	26E		556060	3617672*	1596	198	100	98
<a href="#">RA 08875</a>		RA	ED	1	2	2	05	19S	26E	556362	3617773*	1606	220	150	70
<a href="#">RA 08098</a>		RA	ED	3	1	2	05	19S	26E	555959	3617571*	1673	215	100	115
<a href="#">RA 08315</a>		RA	ED	3	1	2	05	19S	26E	555959	3617571*	1673	195	100	95
<a href="#">RA 04784</a>		RA	ED				30	18S	26E	554252	3620259*	1751	205	190	15
<a href="#">RA 08097</a>		RA	ED	3	2	2	05	19S	26E	556362	3617573*	1788	210	120	90
<a href="#">RA 06431</a>		RA	ED	1	1	1	04	19S	26E	556765	3617775*	1816	200		
<a href="#">RA 07165</a>		RA	ED	3	2	05	19S	26E		556065	3617269*	1990	193	110	83
<a href="#">RA 07508</a>		RA	ED	3	2	05	19S	26E		556065	3617269*	1990	185	150	35
<a href="#">RA 10133</a>		RA	ED	3	2	05	19S	26E		556065	3617269*	1990	177	138	39
<a href="#">RA 07066 POD2</a>		RA	ED	4	4	1	05	19S	26E	555761	3617166*	2054	150		
<a href="#">RA 07066</a>		RA	ED	3	4	1	05	19S	26E	555561	3617166*	2054	202	100	102
<a href="#">RA 11036 POD1</a>		RA	ED	2	4	2	05	19S	26E	556567	3617370*	2058	210	110	100
<a href="#">RA 07053</a>		RA	ED	4	2	05	19S	26E		556468	3617271*	2107	135	90	45
<a href="#">RA 07142</a>		RA	ED	4	2	05	19S	26E		556468	3617271*	2107	217	98	119
<a href="#">RA 07448</a>		RA	ED	4	2	05	19S	26E		556468	3617271*	2107	207	105	102
<a href="#">RA 09276</a>		RA	ED	4	2	05	19S	26E		556468	3617271*	2107	265	100	165
<a href="#">RA 10318</a>		RA	ED	4	2	05	19S	26E		556468	3617271*	2107	240	100	140
<a href="#">RA 12324 POD1</a>		RA	ED	3	4	2	05	19S	26E	556339	3617207	2122	235	135	100



# New Mexico Office of the State Engineer

## Point of Diversion Summary

		(quarters are 1=NW 2=NE 3=SW 4=SE)						(quarters are smallest to largest)		(NAD83 UTM in meters)	
Well Tag	POD Number	Q64	Q16	Q4	Sec	Tws	Rng	X	Y		
2126C	RA 13308 POD1	2	2	2	31	18S	36E	554912	3619330		
<hr/>											
Driller License:		1400		Driller Company:		SOUTHEAST DRILLING COMPANY					
Driller Name:		MARK HAMMOND									
Drill Start Date:		05/23/2023		Drill Finish Date:		05/26/2023		Plug Date:			
Log File Date:		06/08/2023		PCW Rev Date:				Source:		Shallow	
Pump Type:				Pipe Discharge Size:				Estimated Yield:		15 GPM	
Casing Size:		5.00		Depth Well:		274 feet		Depth Water:		145 feet	
<hr/>											
Water Bearing Stratifications:				Top	Bottom	Description					
				140	150	Sandstone/Gravel/Conglomerate					
				150	169	Sandstone/Gravel/Conglomerate					
				220	264	Sandstone/Gravel/Conglomerate					
<hr/>											
Casing Perforations:				Top	Bottom						
				150	274						
<hr/>											

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.

7/18/24 9:18 AM




POINT OF DIVERSION SUMMARY



# DD Tinhorn 34 Pipeline

Spur Energy  
API: N/A  
Eddy County, NM  
OSE Pod Map

## Legend

-  0.47 of a mile
-  DD Tinhorn 34 Pipeline
-  RA- 13308 POD1



Google Earth

2000 ft

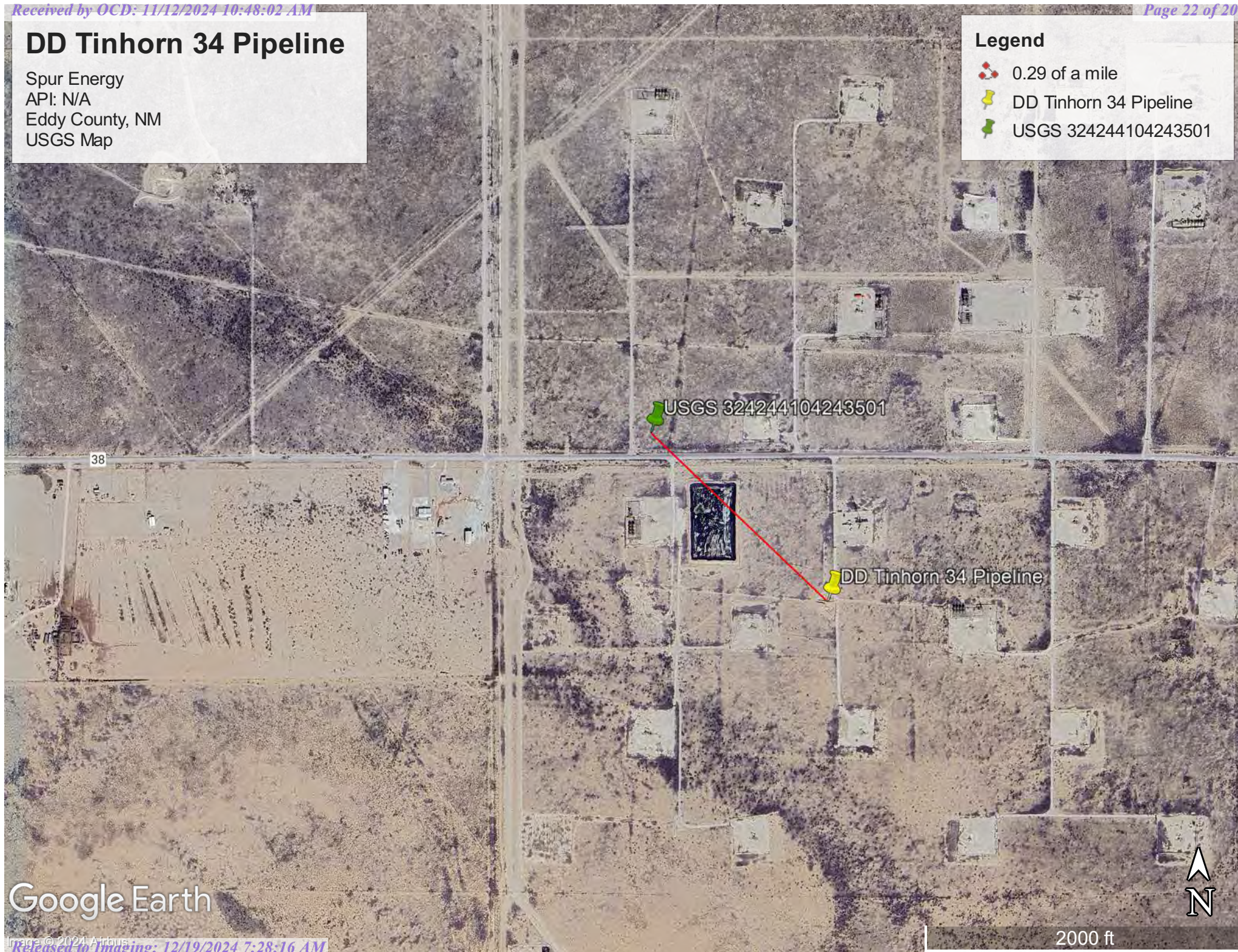


# DD Tinhorn 34 Pipeline

Spur Energy  
API: N/A  
Eddy County, NM  
USGS Map

## Legend

- 0.29 of a mile
- DD Tinhorn 34 Pipeline
- USGS 324244104243501



Google Earth

Released to Imaging: 12/19/2024 7:28:16 AM

2000 ft





[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 =

- 324244104243501

Minimum number of levels = 1

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

### USGS 324244104243501 18S.26E.32.11100

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°42'44", Longitude 104°24'35" NAD27

Land-surface elevation 3,424 feet above NAVD88

The depth of the well is 152 feet below land surface.

This well is completed in the Roswell Basin aquifer system (S400RSWLBS) national aquifer.

This well is completed in the Alluvium, Bolson Deposits and Other Surface Deposits (110AVMB) local aquifer.

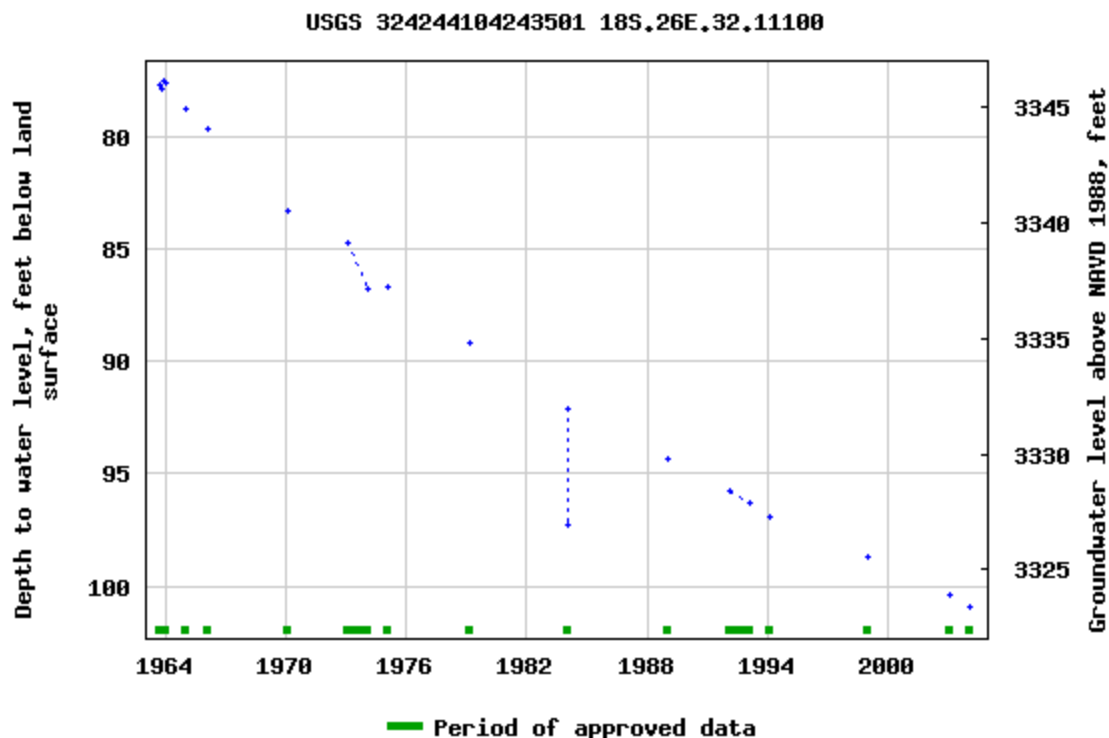
#### Output formats

[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](#)

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[Data Tips](#)

[Explanation of terms](#)

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**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: 2024-07-18 11:12:55 EDT

0.61 0.51 nadww01





Appendix B:

Soil Survey

U.S.D.A.

FEMA Flood Map

Map Unit Description: Reagan loam, 0 to 1 percent slopes---Eddy Area, New Mexico

---

## Eddy Area, New Mexico

### Rc—Reagan loam, 0 to 1 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1w5l

*Elevation:* 1,100 to 5,300 feet

*Mean annual precipitation:* 7 to 15 inches

*Mean annual air temperature:* 57 to 70 degrees F

*Frost-free period:* 200 to 240 days

*Farmland classification:* Farmland of statewide importance

#### Map Unit Composition

*Reagan and similar soils:* 97 percent

*Minor components:* 3 percent

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

#### Description of Reagan

##### Setting

*Landform:* Fan remnants, alluvial fans

*Landform position (three-dimensional):* Rise

*Down-slope shape:* Convex, linear

*Across-slope shape:* Linear

*Parent material:* Alluvium and/or eolian deposits

##### Typical profile

*H1 - 0 to 8 inches:* loam

*H2 - 8 to 82 inches:* loam

##### Properties and qualities

*Slope:* 0 to 1 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Low

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.60 to 2.00 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Calcium carbonate, maximum content:* 40 percent

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

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 2e

*Land capability classification (nonirrigated):* 6c

*Hydrologic Soil Group:* B

Map Unit Description: Reagan loam, 0 to 1 percent slopes---Eddy Area, New Mexico

---

*Ecological site:* R070BC007NM - Loamy  
*Hydric soil rating:* No

#### **Minor Components**

##### **Reagan**

*Percent of map unit:* 1 percent  
*Ecological site:* R070BC007NM - Loamy  
*Hydric soil rating:* No

##### **Reeves**

*Percent of map unit:* 1 percent  
*Ecological site:* R070BC007NM - Loamy  
*Hydric soil rating:* No

##### **Upton**

*Percent of map unit:* 1 percent  
*Ecological site:* R070BC025NM - Shallow  
*Hydric soil rating:* No

## **Data Source Information**

Soil Survey Area: Eddy Area, New Mexico  
Survey Area Data: Version 19, Sep 7, 2023

Map Unit Legend

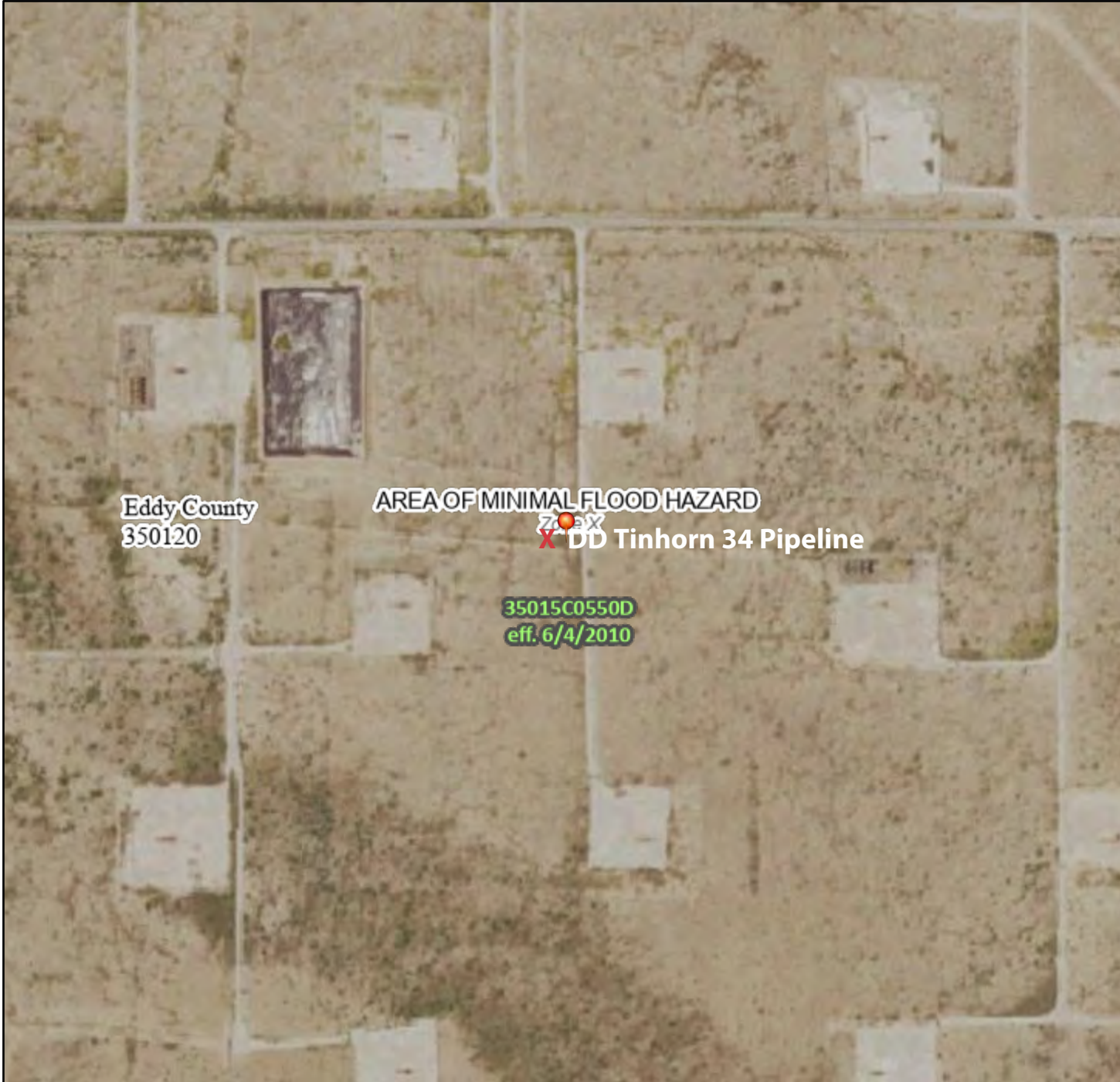
Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
Rc	Reagan loam, 0 to 1 percent slopes	0.1	36.9%
Rd	Reagan loam, 1 to 3 percent slopes	0.1	63.1%
Totals for Area of Interest		0.2	100.0%



# National Flood Hazard Layer FIRMMette



104°24'41"W 32°42'49"N



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

1:6,000

104°24'3"W 32°42'18"N

Released to Imaging: 12/19/2024 9:28:16 AM

Basemap Imagery Source: USGS National Map 2023

## Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/18/2024 at 11:25 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 C:

NMOCD Notification

Photographic Documentation



Angel Pena <angel@paragonenvironmental.net>

---

## The Oil Conservation Division (OCD) has accepted the application, Application ID: 383322

---

<OCDOnline@state.nm.us>

Thu, Sep 12 at 8:35 PM

To: <angel@paragonenvironmental.net>

To whom it may concern (c/o Angel Pena for Spur Energy Partners LLC),

The OCD has received the submitted *Notification for (Final) Sampling of a Release* (C-141N), for incident ID (n#) nAPP2315645279.

The sampling event is expected to take place:

**When:** 09/17/2024 @ 08:00

**Where:** C-32-18S-26E 0 FNL 0 FEL (32.70932,-104.40611)

**Additional Information:** Angel Pena

**Additional Instructions:** 32.7092725,-104.4059954

An OCD representative may be available onsite at the date and time reported. In the absence or presence of an OCD representative, sampling pursuant to 19.15.29.12.D NMAC is required. Sampling must be performed following an approved sampling plan or pursuant to 19.15.29.12.D.(1).(c) NMAC. Should there be a change in the scheduled date and time of the sampling event, then another notification should be resubmitted through OCD permitting as soon as possible.

- **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.**

If you have any questions regarding this application, or don't know why you have received this email, please contact us.

**New Mexico Energy, Minerals and Natural Resources Department**

1220 South St. Francis Drive

Santa Fe, NM 87505





## Photographic Documentation

### Liner Installation







+32.709387,-104.406268  
Eddy County  
Spur Energy  
Liner/open excavation  
DD Tinhorn #34



+32.709427,-104.406029  
Eddy County  
Spur Energy  
Liner/open excavation  
DD Tinhorn #34



**Backfill**





Appendix D:  
Laboratory Results

Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Tin horn #34

Work Order: E407247

Job Number: 21068-0001

Received: 7/31/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/6/24

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: 8/6/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Tin horn #34  
Workorder: E407247  
Date Received: 7/31/2024 8:30:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/31/2024 8:30:00AM, under the Project Name: Tin horn #34.

The analytical test results summarized in this report with the Project Name: Tin horn #34 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  
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**Southern New Mexico Area**

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

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported: 08/06/24 07:25
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 5'	E407247-01A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S1 - 6'	E407247-02A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S1 - 8'	E407247-03A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S2 - 5'	E407247-04A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S2 - 6'	E407247-05A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S2 - 8'	E407247-06A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S3 - 5'	E407247-07A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S3 - 6'	E407247-08A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S3 - 8'	E407247-09A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S4 - 5'	E407247-10A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S4 - 6'	E407247-11A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S4 - 8'	E407247-12A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S5 - 5'	E407247-13A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S5 - 6'	E407247-14A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S5 - 8'	E407247-15A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S6 - 5'	E407247-16A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S6 - 6'	E407247-17A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S6 - 8'	E407247-18A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S7 - 5'	E407247-19A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S7 - 6'	E407247-20A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported: 8/6/2024 7:25:40AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S1 - 5'

E407247-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		97.9 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		97.9 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		121 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: DT		Batch: 2431087
Chloride	ND	20.0	1	07/31/24	07/31/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:25:40AM

S1 - 6'

E407247-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		100 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		95.9 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		100 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.0 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		95.9 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		118 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	21.0	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S1 - 8'

E407247-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.7 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.7 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		110 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	36.1	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S2 - 5'

E407247-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		102 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.7 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		102 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		118 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	ND	20.0	1	07/31/24	07/31/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S2 - 6'

E407247-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.8 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.8 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		124 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	ND	20.0	1	07/31/24	07/31/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:25:40AM

S2 - 8'

E407247-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.2 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.2 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		125 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	ND	200	10	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S3 - 5'

E407247-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		07/31/24	07/31/24	
Surrogate: Toluene-d8	98.3 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4	98.4 %	70-130		07/31/24	07/31/24	
Surrogate: Toluene-d8	98.3 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane	117 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S3 - 6'

E407247-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.5 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.5 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		116 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	21.4	20.0	1	07/31/24	07/31/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S3 - 8'

E407247-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.3 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.9 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.3 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		123 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	93.4	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S4 - 5'

E407247-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.6 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		99.3 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.6 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		124 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	ND	20.0	1	07/31/24	07/31/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:25:40AM

S4 - 6'

E407247-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.5 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.5 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		124 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	21.4	20.0	1	07/31/24	07/31/24	





## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:25:40AM

S4 - 8'

E407247-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.3 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		101 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.3 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		123 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	31.0	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S5 - 5'

E407247-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		129 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S5 - 6'

E407247-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.4 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		98.4 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		113 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	23.2	20.0	1	07/31/24	07/31/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:25:40AM

S5 - 8'

E407247-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		07/31/24	07/31/24	
Surrogate: Toluene-d8	97.0 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene	99.5 %	70-130		07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4	96.2 %	70-130		07/31/24	07/31/24	
Surrogate: Toluene-d8	97.0 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane	123 %	50-200		07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	45.4	20.0	1	07/31/24	07/31/24	





## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:25:40AM

S6 - 5'

E407247-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.8 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.6 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.8 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		120 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	ND	20.0	1	07/31/24	07/31/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:25:40AM

S6 - 6'

E407247-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.9 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		95.2 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.9 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		120 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	48.9	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S6 - 8'

E407247-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		97.4 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.3 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		97.4 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		124 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	58.5	40.0	2	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

S7 - 5'

E407247-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.7 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.8 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		99.7 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		120 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	ND	20.0	1	07/31/24	07/31/24	





## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:25:40AM

S7 - 6'

E407247-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		07/31/24	08/01/24	
Surrogate: Toluene-d8	97.9 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: RKS		Batch: 2431075
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene	99.7 %	70-130		07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4	93.3 %	70-130		07/31/24	08/01/24	
Surrogate: Toluene-d8	97.9 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431069
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane	122 %	50-200		07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2431087
Chloride	41.0	20.0	1	07/31/24	07/31/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:  8/6/2024 7:25:40AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431075-BLK1) Prepared: 07/31/24 Analyzed: 08/01/24

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	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

LCS (2431075-BS1) Prepared: 07/31/24 Analyzed: 08/01/24

Benzene	2.42	0.0250	2.50		96.6	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.3	70-130			
Toluene	2.29	0.0250	2.50		91.7	70-130			
o-Xylene	2.42	0.0250	2.50		96.9	70-130			
p,m-Xylene	4.83	0.0500	5.00		96.5	70-130			
Total Xylenes	7.25	0.0250	7.50		96.7	70-130			
Surrogate: Bromofluorobenzene	0.505		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.463		0.500		92.5	70-130			
Surrogate: Toluene-d8	0.484		0.500		96.8	70-130			

Matrix Spike (2431075-MS1) Source: E407247-02 Prepared: 07/31/24 Analyzed: 08/01/24

Benzene	2.38	0.0250	2.50	ND	95.1	48-131			
Ethylbenzene	2.46	0.0250	2.50	ND	98.2	45-135			
Toluene	2.30	0.0250	2.50	ND	92.0	48-130			
o-Xylene	2.44	0.0250	2.50	ND	97.6	43-135			
p,m-Xylene	4.89	0.0500	5.00	ND	97.7	43-135			
Total Xylenes	7.33	0.0250	7.50	ND	97.7	43-135			
Surrogate: Bromofluorobenzene	0.510		0.500		102	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.464		0.500		92.7	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

Matrix Spike Dup (2431075-MSD1) Source: E407247-02 Prepared: 07/31/24 Analyzed: 08/01/24

Benzene	2.40	0.0250	2.50	ND	96.0	48-131	0.858	23	
Ethylbenzene	2.47	0.0250	2.50	ND	98.8	45-135	0.629	27	
Toluene	2.30	0.0250	2.50	ND	91.9	48-130	0.130	24	
o-Xylene	2.47	0.0250	2.50	ND	98.8	43-135	1.16	27	
p,m-Xylene	4.93	0.0500	5.00	ND	98.6	43-135	0.937	27	
Total Xylenes	7.40	0.0250	7.50	ND	98.7	43-135	1.01	27	
Surrogate: Bromofluorobenzene	0.506		0.500		101	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.7	70-130			
Surrogate: Toluene-d8	0.492		0.500		98.3	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:  8/6/2024 7:25:40AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: RKS

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431075-BLK1) Prepared: 07/31/24 Analyzed: 08/01/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.498		0.500		99.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.490		0.500		98.0	70-130			

LCS (2431075-BS2) Prepared: 07/31/24 Analyzed: 08/01/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.8	70-130			
Surrogate: Bromofluorobenzene	0.513		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.465		0.500		93.0	70-130			
Surrogate: Toluene-d8	0.503		0.500		101	70-130			

Matrix Spike (2431075-MS2) Source: E407247-02 Prepared: 07/31/24 Analyzed: 08/01/24

Gasoline Range Organics (C6-C10)	47.3	20.0	50.0	ND	94.6	70-130			
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.6	70-130			
Surrogate: Toluene-d8	0.494		0.500		98.8	70-130			

Matrix Spike Dup (2431075-MSD2) Source: E407247-02 Prepared: 07/31/24 Analyzed: 08/01/24

Gasoline Range Organics (C6-C10)	48.3	20.0	50.0	ND	96.6	70-130	2.12	20	
Surrogate: Bromofluorobenzene	0.516		0.500		103	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		95.9	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431069-BLK1) Prepared: 07/31/24 Analyzed: 07/31/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.6		50.0		123	50-200			

LCS (2431069-BS1) Prepared: 07/31/24 Analyzed: 07/31/24

Diesel Range Organics (C10-C28)	299	25.0	250		120	38-132			
Surrogate: n-Nonane	61.6		50.0		123	50-200			

Matrix Spike (2431069-MS1) Source: E407247-07 Prepared: 07/31/24 Analyzed: 07/31/24

Diesel Range Organics (C10-C28)	300	25.0	250	ND	120	38-132			
Surrogate: n-Nonane	60.0		50.0		120	50-200			

Matrix Spike Dup (2431069-MSD1) Source: E407247-07 Prepared: 07/31/24 Analyzed: 07/31/24

Diesel Range Organics (C10-C28)	308	25.0	250	ND	123	38-132	2.73	20	
Surrogate: n-Nonane	66.1		50.0		132	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:25:40AM

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 (2431087-BLK1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Chloride	ND	20.0							
LCS (2431087-BS1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2431087-MS1)					Source: E407247-04		Prepared: 07/31/24 Analyzed: 07/31/24		
Chloride	260	20.0	250	ND	104	80-120			
Matrix Spike Dup (2431087-MSD1)					Source: E407247-04		Prepared: 07/31/24 Analyzed: 07/31/24		
Chloride	259	20.0	250	ND	104	80-120	0.175	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:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	08/06/24 07:25

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 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program			
Project: <u>Tinborn #34</u>					Attention: <u>Spur</u>		Lab WO# <u>E407247</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>					Address:		Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip											
City, State, Zip: <u>Hobbs, NM, 88240</u>					Phone:											
Phone: <u>806-782-1151</u>					Email:											
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>6-335</u>											
Report due by:																
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	BGDOC NM	BGDOC TX	Remarks		
12:06	7/24	S		S1-5'	1							X				
12:19				S1-6'	2											
12:28				S1-8'	3											
12:33				S2-5'	4											
12:48				S2-6'	5											
12:56				S2-8'	6											
12:59				S3-5'	7											
1:06				S3-6'	8											
1:17				S3-8'	9											
1:23				S4-5'	10											
Additional Instructions: <u>Billing to Spur AFE S23026</u>																
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 on subsequent days.					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Karine Agorne</u>		<u>7/30/24</u>	<u>2:17</u>	<u>Michelle Gonzales</u>		<u>7-30-24</u>	<u>1417</u>	Received on ice: <u>(Y) N</u>								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Michelle Gonzales</u>		<u>7-30-24</u>	<u>1630</u>	<u>[Signature]</u>		<u>7-30-24</u>	<u>1633</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C								
<u>[Signature]</u>		<u>7-30-24</u>	<u>1800</u>	<u>[Signature]</u>		<u>7-31-24</u>	<u>0830</u>	<u>4</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 2 of 6

Client: Pima Environmental Services					Bill To		Lab Use Only		TAT				EPA Program									
Project: <u>Tin horn # 34</u>					Attention: <u>SPUR</u>		Lab WO# <u>E407247</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA						
Project Manager: <u>Gio Gomez</u>					Address:		Analysis and Method								RCRA							
Address: <u>5614 N. Lovington Hwy.</u>					City, State, Zip																	
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:																	
Phone: <u>806-782-1151</u>					Email:										State							
Email: <u>gio@pimaoil.com</u>					Pima Project # <u>6-335</u>		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0		BGDOC NM	BGDOC TX	NM	CO	UT	AZ	TX		
Report due by:															Remarks							
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	
1:30	7/24	S		S4-6'	11																	
1:36				S4-8'	12																	
1:39				S5-5'	13																	
1:42				S5-6'	14																	
1:49				S5-8'	15																	
1:56				S6-5'	16																	
1:58				S6-6'	17																	
2:07				S6-8'	18																	
2:11				S7-5'	19																	
2:20				S7-6'	20																	
Additional Instructions: <u>Bill to SPUR</u> <u>AFE S23026</u>																						
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														
<u>Karime Adams</u>		<u>7/30/24</u>	<u>2:17</u>	<u>Michelle Gonzales</u>		<u>7/30/24</u>	<u>1417</u>	Received on ice: <u>Y/N</u>														
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____														
<u>Michelle Gonzales</u>		<u>7-30-24</u>	<u>1630</u>	<u>[Signature]</u>		<u>7/30/24</u>	<u>1633</u>															
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>														
<u>[Signature]</u>		<u>7-30-24</u>	<u>23</u>	<u>[Signature]</u>		<u>7-31-24</u>	<u>0830</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.																						



Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Tin horn #34

Work Order: E407248

Job Number: 21068-0001

Received: 7/31/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/6/24

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: 8/6/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Tin horn #34  
Workorder: E407248  
Date Received: 7/31/2024 8:30:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/31/2024 8:30:00AM, under the Project Name: Tin horn #34.

The analytical test results summarized in this report with the Project Name: Tin horn #34 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**  
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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	<b>Reported:</b> 08/06/24 07:29
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S7 - 8'	E407248-01A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S8 - 5'	E407248-02A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S8 - 6'	E407248-03A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S8 - 8'	E407248-04A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S9 - 5'	E407248-05A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S9 - 6'	E407248-06A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S9 - 8'	E407248-07A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S10 - 5'	E407248-08A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S10 - 6'	E407248-09A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S10 - 8'	E407248-10A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S11 - 5'	E407248-11A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S11 - 6'	E407248-12A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S11 - 8'	E407248-13A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S12 - 5'	E407248-14A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S12 - 6'	E407248-15A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S12 - 8'	E407248-16A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S13 - 5'	E407248-17A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S13 - 6'	E407248-18A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
S13 - 8'	E407248-19A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.
HD1 (0-2')	E407248-20A	Soil	07/24/24	07/31/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:29:23AM

**S7 - 8'**

**E407248-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	07/31/24	07/31/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	07/31/24	07/31/24	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
<i>Surrogate: Bromofluorobenzene</i>		107 %	70-130	07/31/24	07/31/24	
<i>Surrogate: 1,2-Dichloroethane-d4</i>		97.4 %	70-130	07/31/24	07/31/24	
<i>Surrogate: Toluene-d8</i>		100 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>		126 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	100	5	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S8 - 5'

E407248-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		122 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S8 - 6'

E407248-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		102 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		102 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		120 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	40.0	20.0	1	07/31/24	07/31/24	





## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:29:23AM

S8 - 8'

E407248-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		120 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	100	5	07/31/24	07/31/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:29:23AM

S9 - 5'

E407248-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		106 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		106 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.6 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		123 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S9 - 6'

E407248-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		117 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	37.3	20.0	1	07/31/24	07/31/24	

Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S9 - 8'

E407248-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		121 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	28.0	20.0	1	07/31/24	07/31/24	





## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:29:23AM

S10 - 5'

E407248-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		96.4 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		122 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S10 - 6'

E407248-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		100 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		98.8 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		100 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		113 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	38.6	20.0	1	07/31/24	07/31/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:29:23AM

S10 - 8'

E407248-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	07/31/24	
Surrogate: 1,2-Dichloroethane-d4		97.9 %	70-130	07/31/24	07/31/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		122 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	201	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S11 - 5'

E407248-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		106 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		106 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		123 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S11 - 6'  
E407248-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		99.1 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		99.1 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		117 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	39.2	20.0	1	07/31/24	07/31/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S11 - 8'

E407248-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		99.7 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		105 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.1 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		99.7 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane		123 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	238	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S12 - 5'

E407248-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.5 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		125 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S12 - 6'

E407248-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		100 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		100 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		128 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	38.8	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S12 - 8'

E407248-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		107 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		124 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	239	20.0	1	07/31/24	07/31/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/6/2024 7:29:23AM

S13 - 5'

E407248-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		99.9 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		99.9 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		123 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	20.0	1	07/31/24	07/31/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S13 - 6'

E407248-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		100 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		103 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		100 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		100 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		116 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	37.8	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

S13 - 8'

E407248-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		100 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		104 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		99.6 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		100 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		129 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	100	5	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

HD1 (0-2')  
E407248-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2431076
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: Bromofluorobenzene		102 %	70-130	07/31/24	08/01/24	
Surrogate: 1,2-Dichloroethane-d4		102 %	70-130	07/31/24	08/01/24	
Surrogate: Toluene-d8		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431068
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane		123 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2431089
Chloride	ND	20.0	1	07/31/24	08/01/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:  8/6/2024 7:29:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organic Compounds by EPA 8260B

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431076-BLK1) Prepared: 07/31/24 Analyzed: 07/31/24

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	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

LCS (2431076-BS1) Prepared: 07/31/24 Analyzed: 07/31/24

Benzene	2.11	0.0250	2.50		84.4	70-130			
Ethylbenzene	2.29	0.0250	2.50		91.5	70-130			
Toluene	2.10	0.0250	2.50		84.0	70-130			
o-Xylene	2.34	0.0250	2.50		93.7	70-130			
p,m-Xylene	4.57	0.0500	5.00		91.4	70-130			
Total Xylenes	6.91	0.0250	7.50		92.2	70-130			
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.485		0.500		97.0	70-130			
Surrogate: Toluene-d8	0.506		0.500		101	70-130			

Matrix Spike (2431076-MS1) Source: E407248-08 Prepared: 07/31/24 Analyzed: 07/31/24

Benzene	2.53	0.0250	2.50	ND	101	48-131			
Ethylbenzene	2.66	0.0250	2.50	ND	107	45-135			
Toluene	2.47	0.0250	2.50	ND	98.8	48-130			
o-Xylene	2.75	0.0250	2.50	ND	110	43-135			
p,m-Xylene	5.37	0.0500	5.00	ND	107	43-135			
Total Xylenes	8.12	0.0250	7.50	ND	108	43-135			
Surrogate: Bromofluorobenzene	0.541		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.6	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			

Matrix Spike Dup (2431076-MSD1) Source: E407248-08 Prepared: 07/31/24 Analyzed: 07/31/24

Benzene	2.50	0.0250	2.50	ND	99.9	48-131	1.23	23	
Ethylbenzene	2.66	0.0250	2.50	ND	106	45-135	0.150	27	
Toluene	2.46	0.0250	2.50	ND	98.3	48-130	0.589	24	
o-Xylene	2.78	0.0250	2.50	ND	111	43-135	1.09	27	
p,m-Xylene	5.44	0.0500	5.00	ND	109	43-135	1.25	27	
Total Xylenes	8.22	0.0250	7.50	ND	110	43-135	1.19	27	
Surrogate: Bromofluorobenzene	0.544		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.507		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:  8/6/2024 7:29:23AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431076-BLK1) Prepared: 07/31/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.528		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.2	70-130			
Surrogate: Toluene-d8	0.502		0.500		100	70-130			

LCS (2431076-BS2) Prepared: 07/31/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	49.5	20.0	50.0		99.0	70-130			
Surrogate: Bromofluorobenzene	0.532		0.500		106	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.510		0.500		102	70-130			

Matrix Spike (2431076-MS2) Source: E407248-08 Prepared: 07/31/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	52.2	20.0	50.0	ND	104	70-130			
Surrogate: Bromofluorobenzene	0.542		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.474		0.500		94.7	70-130			
Surrogate: Toluene-d8	0.511		0.500		102	70-130			

Matrix Spike Dup (2431076-MSD2) Source: E407248-08 Prepared: 07/31/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	52.7	20.0	50.0	ND	105	70-130	0.996	20	
Surrogate: Bromofluorobenzene	0.536		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.512		0.500		102	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431068-BLK1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	61.6		50.0		123	50-200			

LCS (2431068-BS1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Diesel Range Organics (C10-C28)	329	25.0	250		132	38-132			
Surrogate: n-Nonane	61.3		50.0		123	50-200			

Matrix Spike (2431068-MS1)					Source: E407248-08		Prepared: 07/31/24 Analyzed: 07/31/24		
Diesel Range Organics (C10-C28)	329	25.0	250	ND	132	38-132			
Surrogate: n-Nonane	61.3		50.0		123	50-200			

Matrix Spike Dup (2431068-MSD1)					Source: E407248-08		Prepared: 07/31/24 Analyzed: 07/31/24		
Diesel Range Organics (C10-C28)	331	25.0	250	ND	132	38-132	0.308	20	
Surrogate: n-Nonane	61.7		50.0		123	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/6/2024 7:29:23AM

Anions by EPA 300.0/9056A

Analyst: JM

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

Blank (2431089-BLK1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Chloride	ND	20.0							
LCS (2431089-BS1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2431089-MS1)					Source: E407248-02		Prepared: 07/31/24 Analyzed: 07/31/24		
Chloride	255	20.0	250	ND	102	80-120			
Matrix Spike Dup (2431089-MSD1)					Source: E407248-02		Prepared: 07/31/24 Analyzed: 07/31/24		
Chloride	253	20.0	250	ND	101	80-120	0.765	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:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	08/06/24 07:29

- 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 36 of   

Client: Pima Environmental Services					Attention: <u>Bill To Spur</u>		Lab Use Only		TAT				EPA Program				
Project: <u>TIA horn #34</u>					Address:		Lab WO# <u>E407248</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA	
Project Manager: <u>Gio Gomez</u>					City, State, Zip		Analysis and Method									RCRA	
Address: <u>5614 N. Lovington Hwy.</u>					Phone:											State	
City, State, Zip <u>Hobbs, NM, 88240</u>					Email:												
Phone: <u>806-782-1151</u>					Pima Project # <u>6-335</u>											NM CO UT AZ TX	
Email: <u>gio@pimaoil.com</u>																	
Report due by:																Remarks	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015											
2:26	7/24	S		57-8'	1												
2:31				58-5'	2												
2:39				58-6'	3												
2:43				58-8'	4												
2:48				59-5'	5												
2:56				59-6'	6												
3:00				59-8'	7												
3:11				510-5'	8												
3:19				510-6'	9												
3:26				510-8'	10												
Additional Instructions: <u>Bill to Spur AFE S23026</u>																	
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 on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only									
<u>Carime Adame</u>		<u>7/30/24</u>	<u>2:17</u>	<u>Michelle Gonzales</u>		<u>7/30/24</u>	<u>14:17</u>	Received on ice: <u>Y/N</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3									
<u>Michelle Gonzales</u>		<u>7-30-24</u>	<u>1630</u>	<u>[Signature]</u>		<u>7/30/24</u>	<u>1633</u>										
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>									
<u>[Signature]</u>		<u>7-30-24</u>	<u>2300</u>	<u>[Signature]</u>		<u>7-31-24</u>	<u>0830</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: 7/31/2024 9:49:31AM

## 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:	07/31/24 08:30	Work Order ID:	E407248
Phone:	(575) 631-6977	Date Logged In:	07/30/24 16:47	Logged In By:	Noe Soto
Email:	gio@pimaoil.com	Due Date:	08/06/24 17:00 (4 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: CourierComments/Resolution

No. of containers and name sampled by are missing in COC by client. Project Tin horn #34 has been separated into multiple WOs due to high sample volume, the WO are E407247 - E407249.

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.

## Envirotech Analytical Laboratory

Printed: 7/31/2024 9:46:45AM

## 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:	07/31/24 08:30	Work Order ID:	E407247
Phone:	(575) 631-6977	Date Logged In:	07/30/24 16:36	Logged In By:	Noe Soto
Email:	gio@pimaoil.com	Due Date:	08/06/24 17:00 (4 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: CourierComments/Resolution

No. of containers and name sampled by are missing in COC by client. Project Tin horn #34 has been separated into multiple WOs due to high sample volume, the WO are E407247 - E407249.

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.

Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Tin horn #34

Work Order: E407249

Job Number: 21068-0001

Received: 7/31/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
8/2/24

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: 8/2/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Tin horn #34  
Workorder: E407249  
Date Received: 7/31/2024 8:30:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 7/31/2024 8:30:00AM, under the Project Name: Tin horn #34.

The analytical test results summarized in this report with the Project Name: Tin horn #34 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)

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	<b>Reported:</b> 08/02/24 08:17
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
HD1 - (3-5')	E407249-01A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD2 (0-2')	E407249-02A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD2 (3-5')	E407249-03A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD3 (0-2')	E407249-04A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD3 (3-5')	E407249-05A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD4 (0-2')	E407249-06A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD4 (3-5')	E407249-07A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD5 (0-2')	E407249-08A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD5 (3-5')	E407249-09A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD6 (0-2')	E407249-10A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD6 (3-5')	E407249-11A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD7 (0-2')	E407249-12A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD7 (3-5')	E407249-13A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD8 (0-2')	E407249-14A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD8 (3-5')	E407249-15A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD9 (0-2')	E407249-16A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD9 (3-5')	E407249-17A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD10 (0-2')	E407249-18A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.
HD10 (3-5')	E407249-19A	Soil	07/29/24	07/31/24	Glass Jar, 2 oz.



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD1 - (3-5')

E407249-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.9 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane	94.9 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	07/31/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/2/2024 8:17:56AM

## HD2 (0-2')

## E407249-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.8 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD2 (3-5')  
E407249-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
Surrogate: 4-Bromochlorobenzene-PID	99.1 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.5 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane	111 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	07/31/24	





## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/2/2024 8:17:56AM

## HD3 (0-2')

## E407249-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.1 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD3 (3-5')  
E407249-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD4 (0-2')  
E407249-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: 4-Bromochlorobenzene-PID	99.4 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
Surrogate: n-Nonane	101 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD4 (3-5')  
E407249-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.1 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD5 (0-2')  
E407249-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.7 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	96.5 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD5 (3-5')  
E407249-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	07/31/24	
Ethylbenzene	ND	0.0250	1	07/31/24	07/31/24	
Toluene	ND	0.0250	1	07/31/24	07/31/24	
o-Xylene	ND	0.0250	1	07/31/24	07/31/24	
p,m-Xylene	ND	0.0500	1	07/31/24	07/31/24	
Total Xylenes	ND	0.0250	1	07/31/24	07/31/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.3 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	07/31/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.1 %	70-130		07/31/24	07/31/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	96.3 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	



## Sample Data

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

Project Name: Tin horn #34  
Project Number: 21068-0001  
Project Manager: Gio Gomez

**Reported:**  
8/2/2024 8:17:56AM

**HD6 (0-2')****E407249-10**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.2 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.7 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	07/31/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD6 (3-5')  
E407249-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2431079
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2431079
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2431090
Chloride	ND	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD7 (0-2')  
E407249-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	91.5 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	07/31/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	07/31/24	
<i>Surrogate: n-Nonane</i>						
	100 %	50-200		07/31/24	07/31/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD7 (3-5')  
E407249-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.0 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
<i>Surrogate: n-Nonane</i>						
		96.8 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD8 (0-2')  
E407249-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.5 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
<i>Surrogate: n-Nonane</i>						
		101 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD8 (3-5')  
E407249-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.7 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	90.6 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
<i>Surrogate: n-Nonane</i>						
	97.1 %	50-200		07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD9 (0-2')  
E407249-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.4 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
<i>Surrogate: n-Nonane</i>						
		107 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD9 (3-5')  
E407249-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2431079
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2431079
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.5 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2431067
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
<i>Surrogate: n-Nonane</i>						
		99.8 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2431090
Chloride	ND	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD10 (0-2')  
E407249-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	90.7 %	70-130		07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
Surrogate: n-Nonane	105 %	50-200		07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

HD10 (3-5')  
E407249-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Benzene	ND	0.0250	1	07/31/24	08/01/24	
Ethylbenzene	ND	0.0250	1	07/31/24	08/01/24	
Toluene	ND	0.0250	1	07/31/24	08/01/24	
o-Xylene	ND	0.0250	1	07/31/24	08/01/24	
p,m-Xylene	ND	0.0500	1	07/31/24	08/01/24	
Total Xylenes	ND	0.0250	1	07/31/24	08/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2431079	
Gasoline Range Organics (C6-C10)	ND	20.0	1	07/31/24	08/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.7 %	70-130	07/31/24	08/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2431067	
Diesel Range Organics (C10-C28)	ND	25.0	1	07/31/24	08/01/24	
Oil Range Organics (C28-C36)	ND	50.0	1	07/31/24	08/01/24	
<i>Surrogate: n-Nonane</i>						
		97.9 %	50-200	07/31/24	08/01/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2431090	
Chloride	ND	20.0	1	07/31/24	08/01/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:  8/2/2024 8:17:56AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431079-BLK1) Prepared: 07/31/24 Analyzed: 07/31/24

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 8.01 8.00 100 70-130

LCS (2431079-BS1) Prepared: 07/31/24 Analyzed: 07/31/24

Benzene	5.05	0.0250	5.00		101	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	4.96	0.0250	5.00		99.3	70-130			
o-Xylene	4.86	0.0250	5.00		97.2	70-130			
p,m-Xylene	9.89	0.0500	10.0		98.9	70-130			
Total Xylenes	14.7	0.0250	15.0		98.3	70-130			

Surrogate: 4-Bromochlorobenzene-PID 8.00 8.00 100 70-130

Matrix Spike (2431079-MS1) Source: E407249-09 Prepared: 07/31/24 Analyzed: 07/31/24

Benzene	4.85	0.0250	5.00	ND	97.0	54-133			
Ethylbenzene	4.67	0.0250	5.00	ND	93.4	61-133			
Toluene	4.76	0.0250	5.00	ND	95.1	61-130			
o-Xylene	4.66	0.0250	5.00	ND	93.1	63-131			
p,m-Xylene	9.51	0.0500	10.0	ND	95.1	63-131			
Total Xylenes	14.2	0.0250	15.0	ND	94.4	63-131			

Surrogate: 4-Bromochlorobenzene-PID 8.04 8.00 100 70-130

Matrix Spike Dup (2431079-MSD1) Source: E407249-09 Prepared: 07/31/24 Analyzed: 07/31/24

Benzene	4.67	0.0250	5.00	ND	93.4	54-133	3.76	20	
Ethylbenzene	4.50	0.0250	5.00	ND	89.9	61-133	3.76	20	
Toluene	4.59	0.0250	5.00	ND	91.8	61-130	3.56	20	
o-Xylene	4.49	0.0250	5.00	ND	89.7	63-131	3.72	20	
p,m-Xylene	9.17	0.0500	10.0	ND	91.7	63-131	3.64	20	
Total Xylenes	13.7	0.0250	15.0	ND	91.0	63-131	3.67	20	

Surrogate: 4-Bromochlorobenzene-PID 7.99 8.00 99.9 70-130



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431079-BLK1) Prepared: 07/31/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.38		8.00		92.3	70-130			

LCS (2431079-BS2) Prepared: 07/31/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	41.5	20.0	50.0		83.0	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.43		8.00		92.8	70-130			

Matrix Spike (2431079-MS2) Source: E407249-09 Prepared: 07/31/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	39.8	20.0	50.0	ND	79.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.41		8.00		92.7	70-130			

Matrix Spike Dup (2431079-MSD2) Source: E407249-09 Prepared: 07/31/24 Analyzed: 07/31/24

Gasoline Range Organics (C6-C10)	39.2	20.0	50.0	ND	78.3	70-130	1.75	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:  8/2/2024 8:17:56AM
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431067-BLK1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	51.5		50.0		103	50-200			

LCS (2431067-BS1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Diesel Range Organics (C10-C28)	273	25.0	250		109	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike (2431067-MS1)					Source: E407249-07		Prepared: 07/31/24 Analyzed: 07/31/24		
Diesel Range Organics (C10-C28)	275	25.0	250	ND	110	38-132			
Surrogate: n-Nonane	51.7		50.0		103	50-200			

Matrix Spike Dup (2431067-MSD1)					Source: E407249-07		Prepared: 07/31/24 Analyzed: 07/31/24		
Diesel Range Organics (C10-C28)	264	25.0	250	ND	105	38-132	4.18	20	
Surrogate: n-Nonane	49.6		50.0		99.1	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Tin horn #34	Reported:
PO Box 247	Project Number:	21068-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	8/2/2024 8:17:56AM

Anions by EPA 300.0/9056A

Analyst: WF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2431090-BLK1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Chloride	ND	20.0							
LCS (2431090-BS1)					Prepared: 07/31/24 Analyzed: 07/31/24				
Chloride	247	20.0	250		98.8	90-110			
Matrix Spike (2431090-MS1)					Source: E407249-10		Prepared: 07/31/24 Analyzed: 07/31/24		
Chloride	250	20.0	250	ND	99.9	80-120			
Matrix Spike Dup (2431090-MSD1)					Source: E407249-10		Prepared: 07/31/24 Analyzed: 07/31/24		
Chloride	249	20.0	250	ND	99.5	80-120	0.469	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:	Tin horn #34	
PO Box 247	Project Number:	21068-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	08/02/24 08:17

- 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 56 of 56

Client: Pima Environmental Services				Attention: <u>Bill To <del>Donna</del> Spur</u>				Lab Use Only				TAT				EPA Program	
Project: <u>Tinborn #34</u>				Address:				Lab WO# <u>E407249</u>		Job Number <u>2068-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>				City, State, Zip				Analysis and Method								RCRA	
Address: <u>5614 N. Lovington Hwy.</u>				Phone:												State	
City, State, Zip <u>Hobbs, NM, 88240</u>				Email:												NM	CO
Phone: <u>806-782-1151</u>				Pima Project # <u>6-335</u>												Remarks	
Email: <u>gio@pimaoil.com</u>																	
Report due by:																	

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	BGDOC NM	BGDOC TX	Remarks
4:23	7/24	S		HD1 (3-5')	1									
4:27				HD2 (0-2')	2									
4:36				HD2 (3-5')	3									
4:45				HD3 (0-2')	4									
4:53				HD3 (3-5')	5									
4:59				HD4 (0-2')	6									
5:17				HD4 (3-5')	7									
5:23				HD5 (0-2')	8									
5:31				HD5 (3-5')	9									
5:33				HD6 (0-2')	10									

**Additional Instructions:** Bill to Spur AFE 523026

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 Received on ice: <u>Y</u> / N T1 _____ T2 _____ T3 _____ AVG Temp °C <u>4</u>
<u>Karine Adame</u>	<u>7-30-24</u>	<u>2:17</u>	<u>Michelle Gonzales</u>	<u>7-30-24</u>	<u>1417</u>	
<u>Michelle Gonzales</u>	<u>7-30-24</u>	<u>1630</u>	<u>[Signature]</u>	<u>7-30-24</u>	<u>1630</u>	
Relinquished by: (Signature)	Date	Time	Received by: (Signature)	Date	Time	
<u>[Signature]</u>	<u>7-30-24</u>	<u>2300</u>	<u>[Signature]</u>	<u>7-31-24</u>	<u>0830</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 6 of 5

Client: Pima Environmental Services					Bill To <u>K.A.</u>		Lab Use Only		TAT				EPA Program			
Project: <u>rinhorn #34</u>					Attention: <u>Spur</u>		Lab WO# <u>E407249</u>		Job Number <u>21068-0001</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Gio Gomez					Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.					City, State, Zip											
City, State, Zip <u>Hobbs, NM, 88240</u>					Phone:											
Phone: 806-782-1151					Email:											
Email: gio@pimaoil.com					Pima Project # <u>B-335</u>											
Report due by:																
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		BGDOC NM	BGDOC TX	State	
																Remarks
5:39	7/1/24	S		HD6 (3-5')	11											
5:42				HD7 (0-2')	12											
5:56				HD7 (3-5')	13											
5:59				HD8 (0-2')	14											
6:00				HD8 (3-5')	15											
6:11				HD9 (0-2')	16											
6:14				HD9 (3-5')	17											
6:25				HD10 (0-2')	18											
6:25				HD10 (3-5')	19											
					2NS											
Additional Instructions: <u>Bill to Spur AFE S23026</u>																
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 on subsequent days.						
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only								
<u>Kerime Adams</u>		<u>7/30/24</u>	<u>2:17</u>	<u>Michelle Gonzales</u>		<u>7/30/24</u>	<u>1417</u>	Received on ice: <u>Y</u> N								
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 T2 T3								
<u>Michelle Gonzales</u>		<u>7-30-24</u>	<u>1630</u>	<u>[Signature]</u>		<u>7-30-24</u>	<u>1633</u>									
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	AVG Temp °C <u>4</u>								
<u>[Signature]</u>		<u>7-30-24</u>	<u>2300</u>	<u>[Signature]</u>		<u>7-31-24</u>	<u>0830</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: 7/31/2024 9:51:56AM

## 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:	07/31/24 08:30	Work Order ID:	E407249
Phone:	(575) 631-6977	Date Logged In:	07/30/24 16:48	Logged In By:	Noe Soto
Email:	gio@pimaoil.com	Due Date:	08/06/24 17:00 (4 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: CourierComments/Resolution

No. of containers and name sampled by are missing in COC by client. Project Tin horn #34 has been separated into multiple WOs due to high sample volume, the WO are E407247 - E407249.

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.



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

September 20, 2024

CHRIS JONES

PARAGON ENVIROMENTAL

1601 N TURNER ST., STE 500

HOBBS, NM 88240

RE: DD TIN HORN #34

Enclosed are the results of analyses for samples received by the laboratory on 09/17/24 17:01.

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

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

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

Accreditation applies to public drinking water matrices.

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

Sincerely,

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

Mike Snyder For Celey D. Keene

Lab Director/Quality Manager



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 1 8' (H245661-01)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	1.55	
Toluene*	<0.050	0.050	09/19/2024	ND	2.17	108	2.00	0.0965	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.19	110	2.00	1.44	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.59	110	6.00	1.22	
Total BTX	<0.300	0.300	09/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2320	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	188	94.2	200	5.11	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	195	97.7	200	5.53	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 93.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 2 8' (H245661-02)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	1.55		
Toluene*	<0.050	0.050	09/19/2024	ND	2.17	108	2.00	0.0965		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.19	110	2.00	1.44		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.59	110	6.00	1.22		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	3360	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 129 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 3 8' (H245661-03)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	1.55		
Toluene*	<0.050	0.050	09/19/2024	ND	2.17	108	2.00	0.0965		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.19	110	2.00	1.44		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.59	110	6.00	1.22		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	3560	16.0	09/19/2024	ND	400	100	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 103 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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\*=Accredited Analyte

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 4 8' (H245661-04)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.32	116	2.00	1.55		
Toluene*	<0.050	0.050	09/19/2024	ND	2.17	108	2.00	0.0965		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.19	110	2.00	1.44		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.59	110	6.00	1.22		
Total BTX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2680	16.0	09/20/2024	ND	400	100	400	7.69	QM-07	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/18/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 5 8' (H245661-05)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	160	16.0	09/20/2024	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	09/18/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 6 8' (H245661-06)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	176	16.0	09/20/2024	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	09/18/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/18/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/18/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 7 8' (H245661-07)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 130 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 8 8' (H245661-08)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	112	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 88.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 9 8' (H245661-09)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 97.8 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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





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**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 10 8' (H245661-10)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 89.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 111 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 11 8' (H245661-11)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 98.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 116 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 12 8' (H245661-12)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	208	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 95.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 112 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 13 8' (H245661-13)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 97.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 14 8' (H245661-14)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 97.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 15 8' (H245661-15)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	80.0	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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\*=Accredited Analyte

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 16 8' (H245661-16)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	128	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 17 8' (H245661-17)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	96.0	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 102 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 18 8' (H245661-18)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	288	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 87.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 19 8' (H245661-19)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	336	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 93.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 109 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 20 8' (H245661-20)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	240	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 104 % 48.2-134

Surrogate: 1-Chlorooctadecane 121 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 21 8' (H245661-21)**

BTEx 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70	
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87	
Total BTEx	<0.300	0.300	09/19/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	192	16.0	09/20/2024	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	09/19/2024	ND	209	104	200	4.20	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	212	106	200	7.19	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 97.2 % 48.2-134

Surrogate: 1-Chlorooctadecane 113 % 49.1-148

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 22 8' (H245661-22)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	144	16.0	09/20/2024	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	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 87.6 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.8 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 23 8' (H245661-23)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/20/2024	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	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 89.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 97.3 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 24 8' (H245661-24)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.22	111	2.00	3.70		
Toluene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.58		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.25	112	2.00	3.93		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	6.77	113	6.00	3.87		
Total BTEX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	224	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 88.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.7 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 25 8' (H245661-25)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/19/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 78.1 % 48.2-134

Surrogate: 1-Chlorooctadecane 84.3 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 26 8' (H245661-26)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/19/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 84.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 27 8' (H245661-27)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/19/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 94.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 105 % 49.1-148

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 28 8' (H245661-28)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/19/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 92.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 103 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 29 8' (H245661-29)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/19/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	416	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 88.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 94.7 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 30 8' (H245661-30)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/19/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 118 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 93.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 31 8' (H245661-31)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/19/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 92.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 32 8' (H245661-32)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/19/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 124 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 91.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.8 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 33 8' (H245661-33)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/19/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	448	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 104 % 49.1-148

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 34 8' (H245661-34)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 95.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 35 8' (H245661-35)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 90.7 % 48.2-134

Surrogate: 1-Chlorooctadecane 101 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 36 8' (H245661-36)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 92.4 % 48.2-134

Surrogate: 1-Chlorooctadecane 96.6 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 37 8' (H245661-37)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 114 % 71.5-134

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	368	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 85.3 % 48.2-134

Surrogate: 1-Chlorooctadecane 93.0 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 38 8' (H245661-38)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 91.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

Cardinal Laboratories

\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 39 8' (H245661-39)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 90.5 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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\*=Accredited Analyte

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 40 8' (H245661-40)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 116 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 89.0 % 48.2-134

Surrogate: 1-Chlorooctadecane 99.5 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 41 8' (H245661-41)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTEx	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	288	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	218	109	200	6.10	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	207	104	200	8.95	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 95.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 42 8' (H245661-42)**

BTEX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTEX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 121 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	16.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 43 8' (H245661-43)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: HM						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	48.0	16.0	09/19/2024	ND	400	100	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 107 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 44 8' (H245661-44)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.38	119	2.00	1.56		
Toluene*	<0.050	0.050	09/20/2024	ND	2.35	118	2.00	0.559		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	2.48	124	2.00	0.493		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	7.49	125	6.00	0.407		
Total BTEX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 45 8' (H245661-45)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.09	105	2.00	0.0246	
Toluene*	<0.050	0.050	09/19/2024	ND	1.95	97.3	2.00	0.246	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	1.96	97.8	2.00	0.872	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	5.82	97.0	6.00	0.340	
Total BTX	<0.300	0.300	09/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	320	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 46 8' (H245661-46)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.09	105	2.00	0.0246	
Toluene*	<0.050	0.050	09/19/2024	ND	1.95	97.3	2.00	0.246	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	1.96	97.8	2.00	0.872	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	5.82	97.0	6.00	0.340	
Total BTX	<0.300	0.300	09/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 109 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 47 8' (H245661-47)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.09	105	2.00	0.0246	
Toluene*	<0.050	0.050	09/19/2024	ND	1.95	97.3	2.00	0.246	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	1.96	97.8	2.00	0.872	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	5.82	97.0	6.00	0.340	
Total BTX	<0.300	0.300	09/19/2024	ND					

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

Chloride, SM4500CI-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	64.0	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 112 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: B - 48 8' (H245661-48)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.09	105	2.00	0.0246	
Toluene*	<0.050	0.050	09/19/2024	ND	1.95	97.3	2.00	0.246	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	1.96	97.8	2.00	0.872	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	5.82	97.0	6.00	0.340	
Total BTX	<0.300	0.300	09/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: ESW - 1 8' (H245661-49)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.09	105	2.00	0.0246	
Toluene*	<0.050	0.050	09/19/2024	ND	1.95	97.3	2.00	0.246	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	1.96	97.8	2.00	0.872	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	5.82	97.0	6.00	0.340	
Total BTX	<0.300	0.300	09/19/2024	ND					

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	2360	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 100 % 48.2-134

Surrogate: 1-Chlorooctadecane 106 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: ESW - 2 8' (H245661-50)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.09	105	2.00	0.0246		
Toluene*	<0.050	0.050	09/19/2024	ND	1.95	97.3	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	1.96	97.8	2.00	0.872		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	5.82	97.0	6.00	0.340		
Total BTX	<0.300	0.300	09/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	384	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 96.9 % 48.2-134

Surrogate: 1-Chlorooctadecane 102 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: ESW - 3 8' (H245661-51)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.09	105	2.00	0.0246		
Toluene*	<0.050	0.050	09/19/2024	ND	1.95	97.3	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	1.96	97.8	2.00	0.872		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	5.82	97.0	6.00	0.340		
Total BTX	<0.300	0.300	09/19/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	480	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 101 % 48.2-134

Surrogate: 1-Chlorooctadecane 107 % 49.1-148

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: ESW - 4 8' (H245661-52)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/19/2024	ND	2.09	105	2.00	0.0246		
Toluene*	<0.050	0.050	09/19/2024	ND	1.95	97.3	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	1.96	97.8	2.00	0.872		
Total Xylenes*	<0.150	0.150	09/19/2024	ND	5.82	97.0	6.00	0.340		
Total BTX	<0.300	0.300	09/19/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 93.4 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 118 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: NSW - 1 8' (H245661-53)**

BTX 8021B		mg/kg		Analyzed By: JH					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Benzene*	<0.050	0.050	09/19/2024	ND	2.09	105	2.00	0.0246	
Toluene*	<0.050	0.050	09/19/2024	ND	1.95	97.3	2.00	0.246	
Ethylbenzene*	<0.050	0.050	09/19/2024	ND	1.96	97.8	2.00	0.872	
Total Xylenes*	<0.150	0.150	09/19/2024	ND	5.82	97.0	6.00	0.340	
Total BTX	<0.300	0.300	09/19/2024	ND					

Surrogate: 4-Bromofluorobenzene (PID) 93.6 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	1840	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 119 % 48.2-134

Surrogate: 1-Chlorooctadecane 126 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: NSW - 2 8' (H245661-54)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.09	105	2.00	0.0246		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.96	97.8	2.00	0.872		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.82	97.0	6.00	0.340		
Total BTX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 95.0 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	256	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 105 % 48.2-134

Surrogate: 1-Chlorooctadecane 115 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: NSW - 3 8' (H245661-55)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.09	105	2.00	0.0246		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.96	97.8	2.00	0.872		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.82	97.0	6.00	0.340		
Total BTX	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
Chloride	160	16.0	09/19/2024	ND	416	104	400	0.00	

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 111 % 48.2-134

Surrogate: 1-Chlorooctadecane 117 % 49.1-148

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\*=Accredited Analyte

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: WSW - 1 8' (H245661-56)**

BTX 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.09	105	2.00	0.0246		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.96	97.8	2.00	0.872		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.82	97.0	6.00	0.340		
Total BTX	<0.300	0.300	09/20/2024	ND						

Surrogate: 4-Bromofluorobenzene (PID) 92.7 % 71.5-134

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 120 % 49.1-148

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



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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: WSW - 2 8' (H245661-57)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.09	105	2.00	0.0246		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.96	97.8	2.00	0.872		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.82	97.0	6.00	0.340		
Total BTEx	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 108 % 48.2-134

Surrogate: 1-Chlorooctadecane 114 % 49.1-148

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





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

**Analytical Results For:**

PARAGON ENVIROMENTAL  
CHRIS JONES  
1601 N TURNER ST., STE 500  
HOBBS NM, 88240  
Fax To:

Received: 09/17/2024  
Reported: 09/20/2024  
Project Name: DD TIN HORN #34  
Project Number: NOT GIVEN  
Project Location: SPUR - EDDY COUNTY

Sampling Date: 09/17/2024  
Sampling Type: Soil  
Sampling Condition: Cool & Intact  
Sample Received By: Shalyn Rodriguez

**Sample ID: SSW - 1 8' (H245661-58)**

BTEx 8021B		mg/kg		Analyzed By: JH						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Benzene*	<0.050	0.050	09/20/2024	ND	2.09	105	2.00	0.0246		
Toluene*	<0.050	0.050	09/20/2024	ND	1.95	97.3	2.00	0.246		
Ethylbenzene*	<0.050	0.050	09/20/2024	ND	1.96	97.8	2.00	0.872		
Total Xylenes*	<0.150	0.150	09/20/2024	ND	5.82	97.0	6.00	0.340		
Total BTEx	<0.300	0.300	09/20/2024	ND						

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

Chloride, SM4500Cl-B		mg/kg		Analyzed By: CT						
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier	
Chloride	32.0	16.0	09/19/2024	ND	416	104	400	0.00		

TPH 8015M		mg/kg		Analyzed By: MS					
Analyte	Result	Reporting Limit	Analyzed	Method Blank	BS	% Recovery	True Value QC	RPD	Qualifier
GRO C6-C10*	<10.0	10.0	09/19/2024	ND	199	99.5	200	1.57	
DRO >C10-C28*	<10.0	10.0	09/19/2024	ND	196	98.0	200	2.36	
EXT DRO >C28-C36	<10.0	10.0	09/19/2024	ND					

Surrogate: 1-Chlorooctane 113 % 48.2-134

Surrogate: 1-Chlorooctadecane 119 % 49.1-148

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



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

Notes and Definitions

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

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A handwritten signature in black ink, appearing to read "Mike Snyder".

Mike Snyder For 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: Paragon Environmental  
Project Manager: Chris Jones

Address: 1601 N. Turner St., Ste 500

City: Hobbs

State: NM Zip: 88240

Phone #: 575-964-7814

Fax #:

Project #:

Project Owner: SPUR

Project Name: DTD Tin Horn #34

Project Location: Rural Eddy

Sampler Name: Paul Rutz

BILL TO

P.O. #:

Company: SPUR

Attn:

Address:

City:

State: Zip:

Phone #:

Fax #:

ANALYSIS REQUEST

FOR LAB USE ONLY

Lab I.D.

Sample I.D.

Haystack

(G)RAB OR (C)OMP.

# CONTAINERS

GROUNDWATER

WASTEWATER

SOIL

OIL

SLUDGE

OTHER :

ACID/BASE:

ICE / COOL

OTHER :

DATE

TIME

TPH  
BTEX  
Chlorides

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Relinquished By:

Date: 9/17

Received By:

DATE

TIME

TPH  
BTEX  
Chlorides

PHONE RESULT:

Yes

No

ADD'l PHONE #:

Yes

No

ADD'l FAX #:

Yes

No

Relinquished By:

Date: 9/17

Received By:

DATE

TIME

TPH  
BTEX  
Chlorides

PHONE RESULT:

Yes

No

ADD'l PHONE #:

Yes

No

ADD'l FAX #:

Yes

No

Delivered By: (Circle One)

3.82 x 0.12

Sample Condition

CHECKED BY:

3.22 #140

TPH  
BTEX  
Chlorides

PHONE RESULT:

Yes

No

ADD'l PHONE #:

Yes

No

ADD'l FAX #:

Yes

No

Sampler - UPS - Bus - Other:

3.82 x 0.12

Sample Condition

CHECKED BY:

3.22 #140

TPH  
BTEX  
Chlorides

PHONE RESULT:

Yes

No

ADD'l PHONE #:

Yes

No

ADD'l FAX #:

Yes

No

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		<b>BILL TO</b>		ANALYSIS REQUEST																																	
Project Manager: Chris Jones		P.O. #:																																			
Address: 1601 N. Turner St., Ste 500		Company:																																			
City: Hobbs		Attn:																																			
Phone #: 575-964-7814		Address:																																			
Fax #:		City:																																			
Project #:		State:																																			
Project Name:		Zip:																																			
Project Location:		Phone #:																																			
Fax #:		State:																																			
Sample Name:		Zip:																																			
FOR LAB USE ONLY		P.O. #:																																			
Lab I.D.		Sample I.D.																																			
Hobbs 441		13-11 8'																																			
12		B-12 8'																																			
13		B-13 8'																																			
14		B-14 8'																																			
15		B-15 8'																																			
16		B-16 8'																																			
17		B-17 8'																																			
18		B-18 8'																																			
19		B-19 8'																																			
20		B-20 8'																																			
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Relinquished By:		Date:		Received By:		Sample Condition		Cool		Intact		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:																	
Relinquished By:		Date:		Received By:		Sample Condition		Cool		Intact		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:																	
Delivered By: (Circle One) 3.8: h.o.c.		Time: 1:01		Received By: S. Rodriguez		Sample Condition		Cool		Intact		Checked By: S.R.		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:																	
Sampler - UPS - Bus - Other: 3.2: #14		Time:		Received By:		Sample Condition		Cool		Intact		Checked By:		Phone Result:		Fax Result:		Add'l Phone #:		Add'l Fax #:																	

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### CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

<b>Company Name:</b> Paragon Environmental <b>Project Manager:</b> Chris Jones <b>Address:</b> 1601 N. Turner St., Ste 500 <b>City:</b> Hobbs <b>Phone #:</b> 575-964-7814 <b>Project #:</b> <b>Project Name:</b> <b>Project Location:</b> <b>Sampler Name:</b>				<b>P.O. #:</b> <b>Company:</b> <b>Attn:</b> <b>Address:</b> <b>City:</b> <b>State:</b> <b>Phone #:</b> <b>Zip:</b>				<b>BILL TO</b>				<b>ANALYSIS REQUEST</b>			
<b>FOR LAB USE ONLY</b>				<b>Lab I.D.</b>				<b>Sample I.D.</b>							
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				GROUNDWATER WASTEWATER SOIL OIL SLUDGE OTHER :				ACID/BASE: ICE / COOL OTHER :							
Date: 4-17-24 Time: 7:01 Date: Time:				Received By: <i>Shodriq</i>				DATE 4/17				TIME			
Delivered By: (Circle One) <i>3.8c/c-o.u.</i> Sampler - UPS - Bus - Other: <i>3.8c/c-o.u.</i>				Sample Condition Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/>				CHECKED BY: <i>8c</i>							
REMARKS:															





## CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

[illegible]





CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		P.O. #:		BILL TO										ANALYSIS REQUEST																									
Project Manager: Chris Jones		Company:																																					
Address: 1601 N. Turner St., Ste 500		Attn:																																					
City: Hobbs		Address:																																					
Phone #: 575-964-7814		City:																																					
Fax #:		State:																																					
Project #:		Zip:																																					
Project Name:		Phone #:																																					
Project Location:		Fax #:																																					
Sampler Name:		PRESERV																																					
FOR LAB USE ONLY		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											
H45001		B-41 8'		✓		1																				9/17				TAP									
41		B-42 8'																												BTEX									
43		B-43 8'																																					
44		B-44 8'																																					
45		B-45 8'																																					
46		B-46 8'																																					
47		B-47 8'																																					
48		B-48 8'																																					
49		B-49 8'																																					
50		B-50 8'																																					
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Relinquished By:		Date: 9/17/24		Received By:		Time: 7:01		Sample Condition		Checked By:		REMARKS:																											
Relinquished By:		Date:		Received By:		Time:		Cool Intact		Checked By:																													
Delivered By: (Circle One) 3.8/C.O.O.		3.8/C.O.O.		3.8/C.O.O.		3.8/C.O.O.		Yes		8K																													
Sampler - UPS - Bus - Other: 3.2/C.O.O.		3.2/C.O.O.		3.2/C.O.O.		3.2/C.O.O.		Yes		8K																													

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CHAIN-OF-CUSTODY AND ANALYSIS REQUEST

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

Company Name: Paragon Environmental		P.O. #:		BILL TO										ANALYSIS REQUEST																									
Project Manager: Chris Jones		Company:																																					
Address: 1601 N. Turner St., Ste 500		Attn:																																					
City: Hobbs		Address:																																					
Phone #: 575-964-7814		City:																																					
Fax #:		State:																																					
Project #:		Project Owner:																																					
Project Name:		State:																																					
Project Location:		Phone #:																																					
Fax #:		Zip:																																					
Sampler Name:		Fax #:																																					
FOR LAB USE ONLY																																							
Lab I.D.		Sample I.D.		(G)RAB OR (C)OMP.		# CONTAINERS		GROUNDWATER		WASTEWATER		SOIL		OIL		SLUDGE		OTHER :		ACID/BASE:		ICE / COOL		OTHER :		DATE		TIME											
H4500		ESW-3 8'		✓		1		1		1		1		1		1		1		1		1		1		9/17				BTEX									
51		ESW-4 8'																												TPH									
52		NSW-1 8'																												Chlorides									
53		NSW-2 8'																																					
54		NSW-3 8'																																					
55		NSW-1 8'																																					
56		NSW-2 8'																																					
57		NSW-1 8'																																					
58		NSW-1 8'																																					
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 analysis. In no event shall Cardinal be liable for incidental or consequential damages, including without limitation, business interruptions, loss of use, or loss of profits incurred by client, its subsidiaries, affiliates or successors arising out of or related to the performance of services hereunder by Cardinal, regardless of whether such claim is based upon any of the above stated reasons or otherwise.		Relinquished By:		Date: 9-17-24		Received By:		Date: 9-17-24		Sample Condition: Cool <input checked="" type="checkbox"/> Intact <input checked="" type="checkbox"/>		CHECKED BY:		Phone Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Fax Result: <input type="checkbox"/> Yes <input type="checkbox"/> No		Add'l Phone #:		Add'l Fax #:		REMARKS:																	
Delivered By: (Circle One) 3.8.20.00		Sampler - UPS - Bus - Other: 3.2.140																																					

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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 402515

**QUESTIONS**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 402515
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS**

Prerequisites	
Incident ID (n#)	nAPP2315645279
Incident Name	NAPP2315645279 DD TINHORN 34 PIPELINE @ 0
Incident Type	Produced Water Release
Incident Status	Remediation Closure Report Received

**Location of Release Source**

Please answer all the questions in this group.

Site Name	DD TINHORN 34 PIPELINE
Date Release Discovered	06/03/2023
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: Corrosion   Fitting   Produced Water   Released: 9 BBL   Recovered: 1 BBL   Lost: 8 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	No
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	PIPELINE LEAK DUE TO FAULTY PIPE FITTING



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QUESTIONS, Page 2

Action 402515

**QUESTIONS (continued)**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 402515
	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)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

**Initial Response**

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

The source of the release has been stopped	True
The impacted area has been secured to protect human health and the environment	True
Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices	True
All free liquids and recoverable materials have been removed and managed appropriately	True
If all the actions described above have not been undertaken, explain why	N/A

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: Katherine Purvis Title: EHS Coordinator Email: <a href="mailto:katherine.purvis@spurenergy.com">katherine.purvis@spurenergy.com</a> Date: 11/12/2024
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QUESTIONS, Page 3

Action 402515

**QUESTIONS (continued)**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 402515
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

**QUESTIONS****Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 75 and 100 (ft.)
What method was used to determine the depth to ground water	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<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 ½ and 1 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between ½ and 1 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Between 1 and 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Low
A 100-year floodplain	Between ½ and 1 (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)	3360
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	0
GRO+DRO (EPA SW-846 Method 8015M)	0
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	07/01/2024
On what date will (or did) the final sampling or liner inspection occur	09/17/2024
On what date will (or was) the remediation complete(d)	09/30/2024
What is the estimated surface area (in square feet) that will be reclaimed	9600
What is the estimated volume (in cubic yards) that will be reclaimed	1777
What is the estimated surface area (in square feet) that will be remediated	9600
What is the estimated volume (in cubic yards) that will be remediated	1777

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 402515

**QUESTIONS (continued)**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 402515
	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>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	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: Katherine Purvis Title: EHS Coordinator Email: <a href="mailto:katherine.purvis@spurenergy.com">katherine.purvis@spurenergy.com</a> Date: 11/12/2024
<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>	



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QUESTIONS, Page 5  
  
Action 402515

QUESTIONS (continued)

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:  328947
	Action Number:  402515
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

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

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Action 402515

**QUESTIONS (continued)**

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:
	328947
	Action Number:
	402515
Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)	

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	383322
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/17/2024
What was the (estimated) number of samples that were to be gathered	60
What was the sampling surface area in square feet	9500

**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	9600
What was the total volume (cubic yards) remediated	1777
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	9600
What was the total volume (in cubic yards) reclaimed	1777
Summarize any additional remediation activities not included by answers (above)	ALL CONTAMINATED SOILS WERE REMOVED FROM THE TINHORN PAD AREA

*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: Katherine Purvis Title: EHS Coordinator Email: <a href="mailto:katherine.purvis@spurenergy.com">katherine.purvis@spurenergy.com</a> Date: 11/12/2024
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QUESTIONS, Page 7  
  
Action 402515

QUESTIONS (continued)

Operator:  Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID:  328947
	Action Number:  402515
	Action Type:  [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

QUESTIONS

Reclamation Report	
Only answer the questions in this group if all reclamation steps have been completed.	
Requesting a reclamation approval with this submission	No

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CONDITIONS

Action 402515

CONDITIONS

Operator: Spur Energy Partners LLC 9655 Katy Freeway Houston, TX 77024	OGRID: 328947
	Action Number: 402515
	Action Type: [C-141] Remediation Closure Request C-141 (C-141-v-Closure)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your Remediation Closure Report for Incident #NAPP2315645279 DD TINHORN 34 PIPELINE, thank you. This Remediation Closure Report is approved.	12/19/2024