

Incident ID	NAPP2300161700
District RP	
Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☒ Description of remediation activities

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.

Printed Name: Dale Woodall Title: Environmental Professional
Signature: Dale Woodall Date: 3/22/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: Jocelyn Harimon Date: 03/22/2023

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: Robert Hamlet Date: 8/4/2023
Printed Name: Robert Hamlet Title: Environmental Specialist - Advanced

Incident ID	NAPP2300161700
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Site Assessment/Characterization

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?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: Each of the following items must be included in the report.

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

Page 4

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Printed Name: Dale Woodall Title: Environmental ProfessionalSignature: Dale Woodall Date: 3/22/2023email: dale.woodall@dv.com Telephone: 575-748-1839**OCD Only**Received by: Jocelyn Harimon Date: 03/22/2023

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Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Pima Environmental Services
5614 N. Lovington Highway
Hobbs, NM 88240
575-964-7740

March 21, 2023

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

Re: Site Assessment, Remediation, and Closure Report
Lone Tree Draw 14 State Com #3H
API No. 30-015-42083
GPS: Latitude 32.4884796 Longitude -104.1549759
UL -- P, 11, T21S, R27E
Eddy County, NM
NMOCD Ref. No. NAPP2300161700

Pima Environmental Services, LLC. (Pima) has been contracted by Devon Energy Production Company, LP (Devon) to perform a spill assessment, remediation activities, and submit this closure report for a crude oil release that occurred at the Lone Tree Draw 14 State Com #3H (Lone Tree). The initial C-141 was submitted on January 11, 2023 (Appendix C). This incident was assigned Incident ID NAPP2300161700 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Lone Tree is located approximately five (5) miles northeast of Carlsbad, NM. This spill site is in Unit P, Section 11, Township 21S, Range 27E, Latitude 32.4884796 Longitude -104.1549759, Eddy County, NM. Figure 1 references a Location Map.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology is made up of Eolian deposits, Holocene to middle Pleistocene. The soil in this area is made up of Gypsum land-Reeves complex, 0 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage class in this area is well drained. There is a high potential for karst geology to be present around the Lone Tree (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 45 feet below grade surface (BGS). According to the United States Geological Survey (USGS), the nearest groundwater is 13 feet BGS. The closest waterway is Lake Avalon and is located approximately 4.9 miles to the west of this location. See Appendix A for referenced water surveys.

Table 1 NMAC and Closure Criteria 19.15.29

Depth to Groundwater (Appendix A)	Constituent & Limits				
	Chlorides	Total TPH	GRO+DRO	BTEX	Benzene
<50' (High Karst)	600 mg/kg	100 mg/kg		50 mg/kg	10 mg/kg
51-100'	10,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg
>100'	20,000 mg/kg	2,500 mg/kg	1,000 mg/kg	50 mg/kg	10 mg/kg

Reference Figure 2 for a Topographic Map.

Lone Tree Draw 14 State Com #3H|Devon Energy

Release Information

NAPP2300161700: On January 1, 2023, Lease Operator arrived at location and noticed fluid on the ground. The 2" pipe on the tubing had developed a hole before the 2" valve, causing fluid to be released onto the pad. The released fluids were calculated to be approximately 9.2 barrels (bbls) of crude oil. A vacuum truck was able to recover 1 bbls of standing fluid.

Remediation Activities, Site Assessment, and Soil Sampling Results

On January 13, 2023, Pima mobilized personnel to the site to begin collecting soil samples from spill area. The laboratory results of this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

1-13-23 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - LONE TREE DRAW 14 ST COM 3H								
Sample Date: 1/13/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S-1	1'	ND	ND	ND	ND	ND	0	227
	2'	ND	ND	ND	ND	ND	0	5380
	3'	ND	ND	ND	ND	ND	0	2890
	4'	ND	ND	ND	ND	ND	0	3670
	6'	ND	ND	ND	ND	ND	0	ND
S-2	1'	ND	ND	69.8	16100	12600	28769.8	3850
	2'	ND	ND	ND	630	567	1197	933
	3'	ND	ND	ND	234	224	458	2110
	4'	ND	ND	ND	26.4	ND	26.4	4750
	6'	ND	ND	ND	ND	ND	0	ND
SW-1	1'	ND	ND	ND	ND	ND	0	ND
SW-2	1'	ND	ND	ND	ND	ND	0	ND
SW-3	1'	ND	ND	ND	ND	ND	0	ND
SW-4	1'	ND	ND	ND	ND	ND	0	ND
BG 1	6"	ND	ND	ND	ND	ND	0	ND
BG 2	6"	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

On February 7, 2023, the Devon Construction Department mobilized personnel and equipment to begin remediation activities. They began excavating the area to an average depth of 4' BGS. The contaminated soil, approximately 73 cubic yards, was hauled to an approved, lined disposal facility and clean backfill material was brought in.

On March 2, 2023, after sending a 48-hour notification (Appendix C), Pima returned to the site to collect 5-point composite confirmation samples of the excavation. The results of this sampling event can be found in the following table. A Confirmation Sample Map can be found in Figure 5.

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - LONE TREE DRAW 14 ST COM 3H								
Sample Date: 3/2/2023		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
CS 1	4'	ND	ND	ND	ND	ND	0	ND
CS 2	4'	ND	ND	ND	ND	ND	0	ND
CS 3	4'	ND	ND	ND	ND	ND	0	ND
CSW 1	4'	ND	ND	ND	ND	ND	0	ND
CSW 2	4'	ND	ND	ND	ND	ND	0	ND
CSW 3	4'	ND	ND	ND	ND	ND	0	ND
CSW 4	4'	ND	ND	ND	ND	ND	0	ND
CSW 5	4'	ND	ND	ND	ND	ND	0	ND
CSW 6	4'	ND	ND	ND	ND	ND	0	ND
CSW 7	4'	ND	ND	ND	ND	ND	0	ND
CSW 1	4'	ND	ND	ND	ND	ND	0	ND

ND- Analyte Not Detected

Complete laboratory reports can be found in Appendix E.

Based on the sample results, the bottoms and sidewalls were below NMOCD Closure Criteria 19.15.29 NMAC. The contaminated material was removed then transported to an NMOCD approved disposal site. The excavation was then backfilled with clean like material, machine compacted and returned to its previous state. See Appendix D for Photographic Documentation.

Closure Request

After careful review, Pima requests that this incident, NAPP2300161700 be closed. Devon has complied with the applicable closure requirements set forth in rule 19.15.19.12 NMAC.

Should you have any questions or need additional information, please feel free to contact Gio Gomez at 806-782-1151 or gio@pimaoil.com.

Respectfully,



Gio Gomez
Project Manager
Pima Environmental Services, LLC

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Confirmation Sample Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – C-141 Form and 48 Hour Notification
- Appendix D – Photographic Documentation
- Appendix E – Laboratory Reports



Pima Environmental Services

Figures:

1-Location Map

2-Topographic Map

3-Karst Map

4-Site Map

5-Confirmation Sample Map

Lone Tree Draw 14 State Com #003H

Devon Energy
API: 30-015-42083
Eddy County, NM
Location Map

Legend

- 4 Miles NE of Carlsbad, NM
- Lone Tree Draw 14 State Com #003H



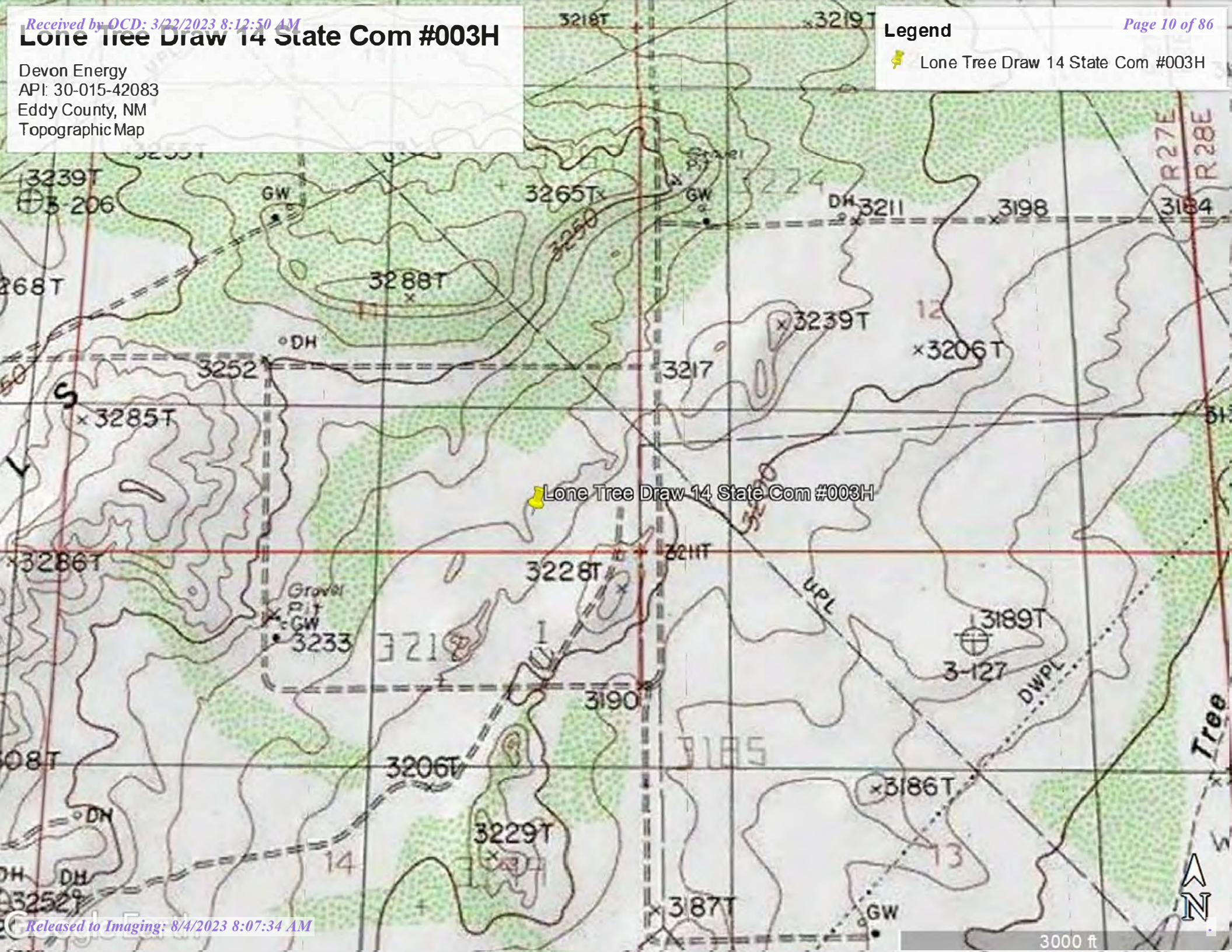
Lone Tree Draw 14 State Com #003H

Devon Energy
API: 30-015-42083
Eddy County, NM
Topographic Map

Legend



Lone Tree Draw 14 State Com #003H

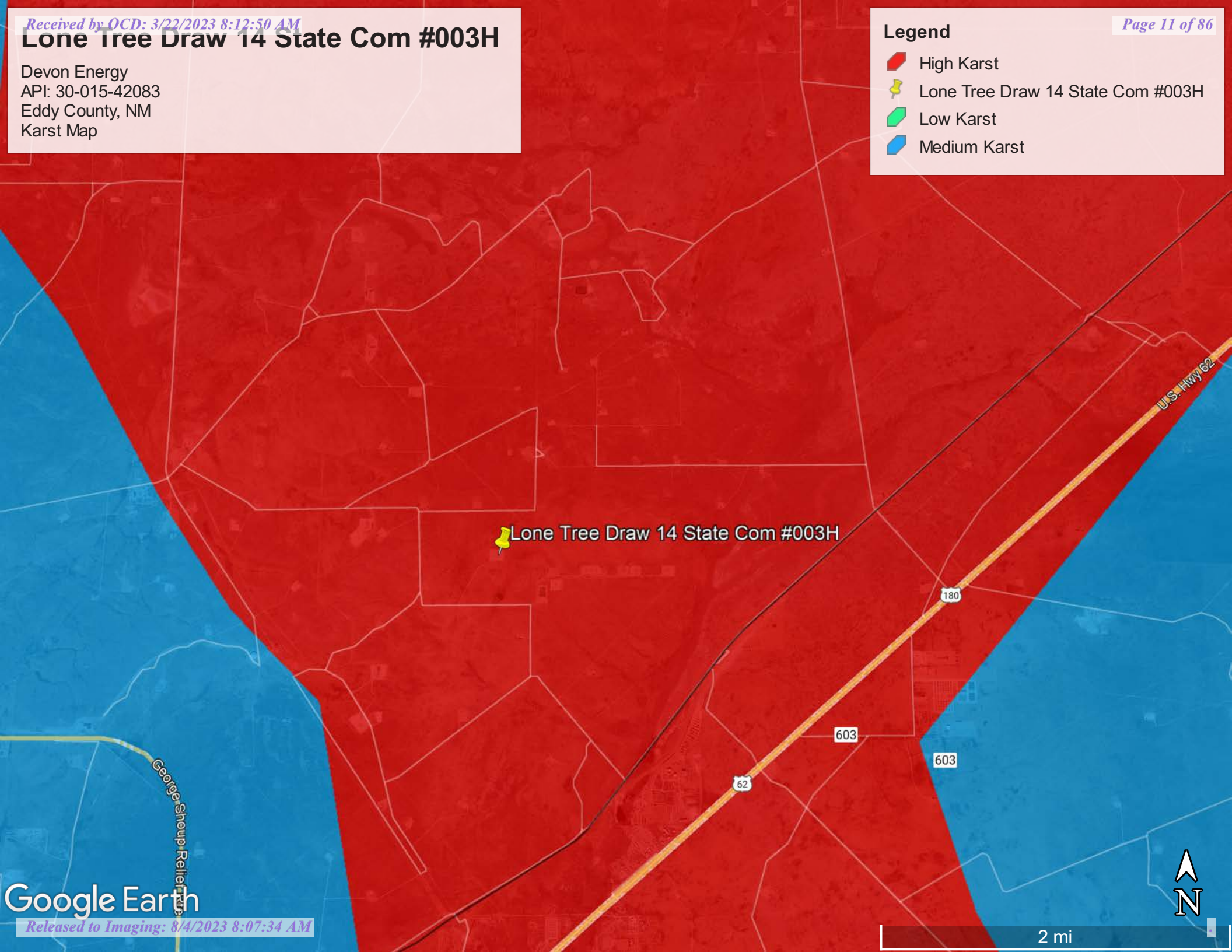


Lone Tree Draw 14 State Com #003H

Devon Energy
API: 30-015-42083
Eddy County, NM
Karst Map

Legend

- High Karst
- Lone Tree Draw 14 State Com #003H
- Low Karst
- Medium Karst

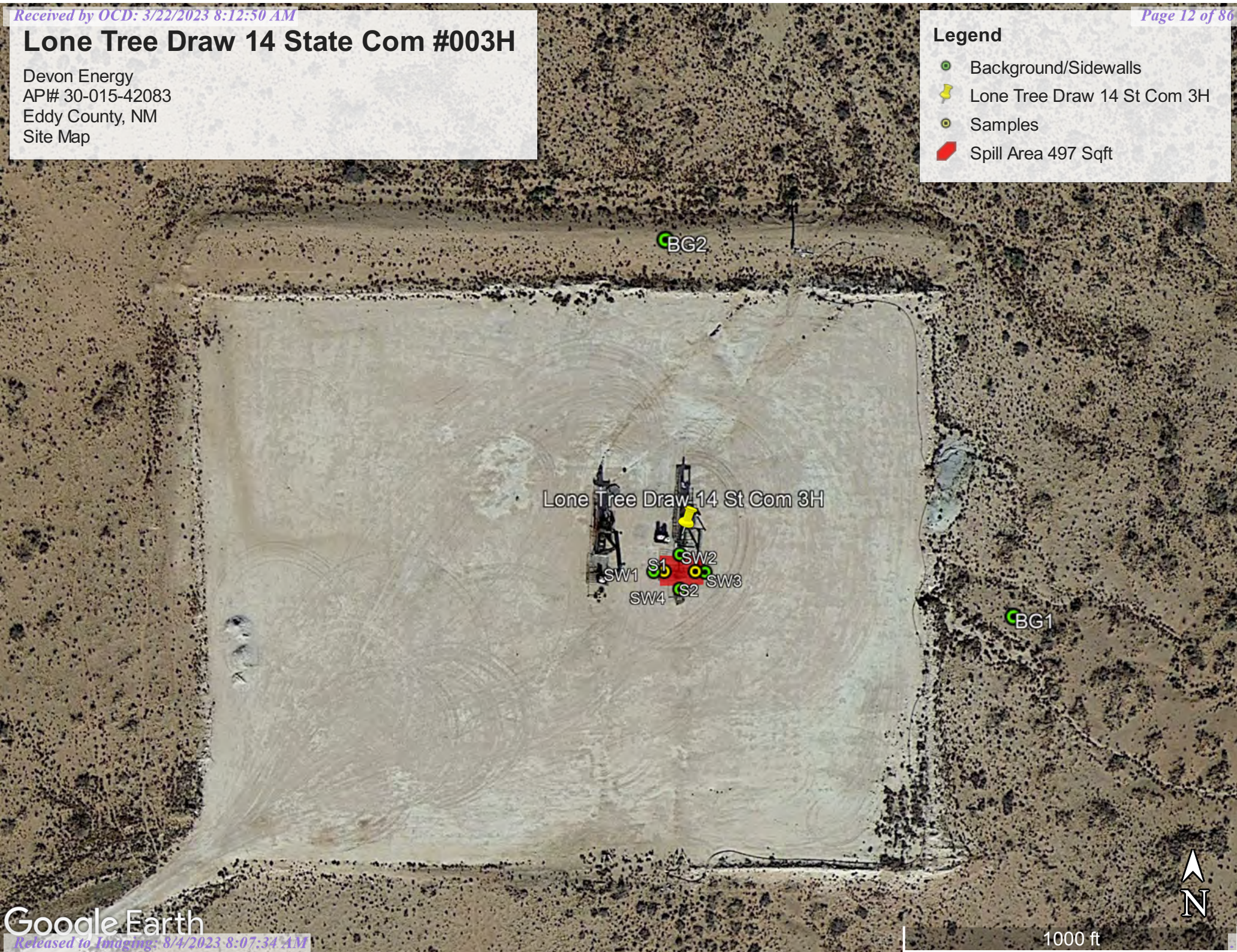


Lone Tree Draw 14 State Com #003H

Devon Energy
AP# 30-015-42083
Eddy County, NM
Site Map

Legend

- Background/Sidewalls
- Lone Tree Draw 14 St Com 3H
- Samples
- Spill Area 497 Sqft

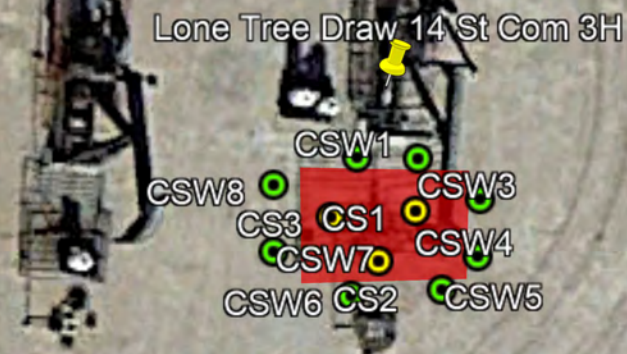


Lone Tree Draw 14 State Com #003H

Devon Energy
AP# 30-015-42083
Eddy County, NM
Confirmation Sample Map

Legend

- Confirmation Sample
- Confirmation Sidewall
- Lone Tree Draw 14 St Com 3H



100 ft



Pima Environmental Services

Appendix A

Water Surveys:

OSE

USGS

Surface Water Map



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
C_00473	C	CUB	ED	3	2	14	21S	27E		579087	3594177*	781	562		
C_00465	C	CUB	ED	3	2	1	14	21S	27E	578576	3594475*	919			
C_00466	C	CUB	ED	3	3	1	14	21S	27E	578173	3594066*	1475	538		
C_03690 POD1		C	ED	4	1	4	10	21S	27E	577482	3595179	1931	200		
C_00469	C	CUB	ED	1	4	02	21S	27E		579078	3596994*	2121	767		
C_00370	C	CUB	ED	4	4	15	21S	27E		577874	3593350*	2167			
C_03864 POD1		CUB	ED	2	4	4	13	21S	27E	581218	3593472	2314	160	45	115
C_03272 POD1		CUB	ED	4	3	1	18	21S	28E	581632	3594114*	2371	22	9	13
C_03607 POD1		CUB	ED	2	2	2	24	21S	27E	581145	3593139	2481	275	10	265
C_02992		C	ED	3	3	2	01	21S	27E	580594	3597311*	2697	250	186	64
C_03268 POD1		CUB	ED	4	2	4	01	21S	27E	581201	3596915	2710	48	13	35
C_01142		C	ED	3	1	4	03	21S	27E	577358	3596873*	2837	100		
C_03350		C	ED	1	4	2	01	21S	27E	580896	3597476	2986	76	8	68

Average Depth to Water: **45 feet**
 Minimum Depth: **8 feet**
 Maximum Depth: **186 feet**

Record Count: 13

UTM NAD83 Radius Search (in meters):

Easting (X): 579393

Northing (Y): 3594895.95

Radius: 3000

*UTM location was derived from PLSS - see Help

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

1/26/23 10:04 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



[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.
- [Full News](#)

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 323022104082001

Minimum number of levels = 1

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

USGS 323022104082001 21S.27E.01.42333

Available data for this site

Groundwater: Field measurements



GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°30'22", Longitude 104°08'20" NAD27

Land-surface elevation 3,191 feet above NAVD88

The depth of the well is 65 feet below land surface.

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

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

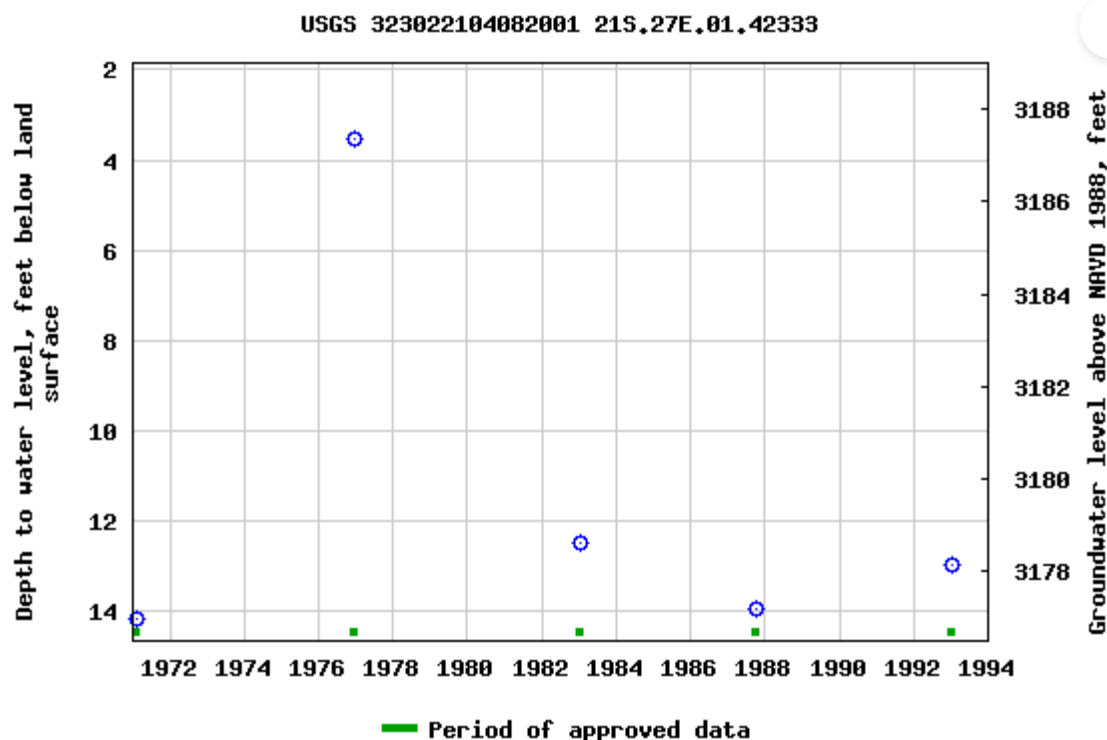
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

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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: 2023-01-26 12:32:04 EST

0.56 0.49 nadww01



Lone Tree Draw 14 State Com #003H

Devon Energy
API: 30-015-42083
Eddy County, NM
Surface Water Map

Legend

- 4.90 Miles
- Lone Tree Draw 14 State Com #003H

239



4 mi



Pima Environmental Services

Appendix B

Soil Survey & Geological Data

FEMA Flood Map

Wetlands Map

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

Eddy Area, New Mexico

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

Map Unit Setting

National map unit symbol: 1w4h

Elevation: 3,000 to 5,000 feet

Mean annual precipitation: 10 to 14 inches

Mean annual air temperature: 60 to 64 degrees F

Frost-free period: 190 to 220 days

Farmland classification: Not prime farmland

Map Unit Composition

Gypsum land: 55 percent

Reeves and similar soils: 35 percent

Minor components: 10 percent

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

Description of Gypsum Land

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 8s

Hydric soil rating: No

Description of Reeves

Setting

Landform: Ridges, plains, hills

Landform position (two-dimensional): Shoulder, backslope, footslope, toeslope

Landform position (three-dimensional): Side slope, head slope, nose slope, crest

Down-slope shape: Convex

Across-slope shape: Linear

Parent material: Residuum weathered from gypsum

Typical profile

H1 - 0 to 8 inches: sandy loam

H2 - 8 to 32 inches: clay loam

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

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 1 percent

Depth to restrictive feature: More than 80 inches

Drainage class: Well drained

Runoff class: High

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

Depth to water table: More than 80 inches

Frequency of flooding: None

Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 80 percent

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

Sodium adsorption ratio, maximum: 4.0

Available water supply, 0 to 60 inches: Low (about 4.3 inches)

Interpretive groups

Land capability classification (irrigated): 3s

Land capability classification (nonirrigated): 7s

Hydrologic Soil Group: B

Ecological site: R070BC007NM - Loamy

Hydric soil rating: No

Minor Components

Unnamed soils

Percent of map unit: 10 percent

Hydric soil rating: No

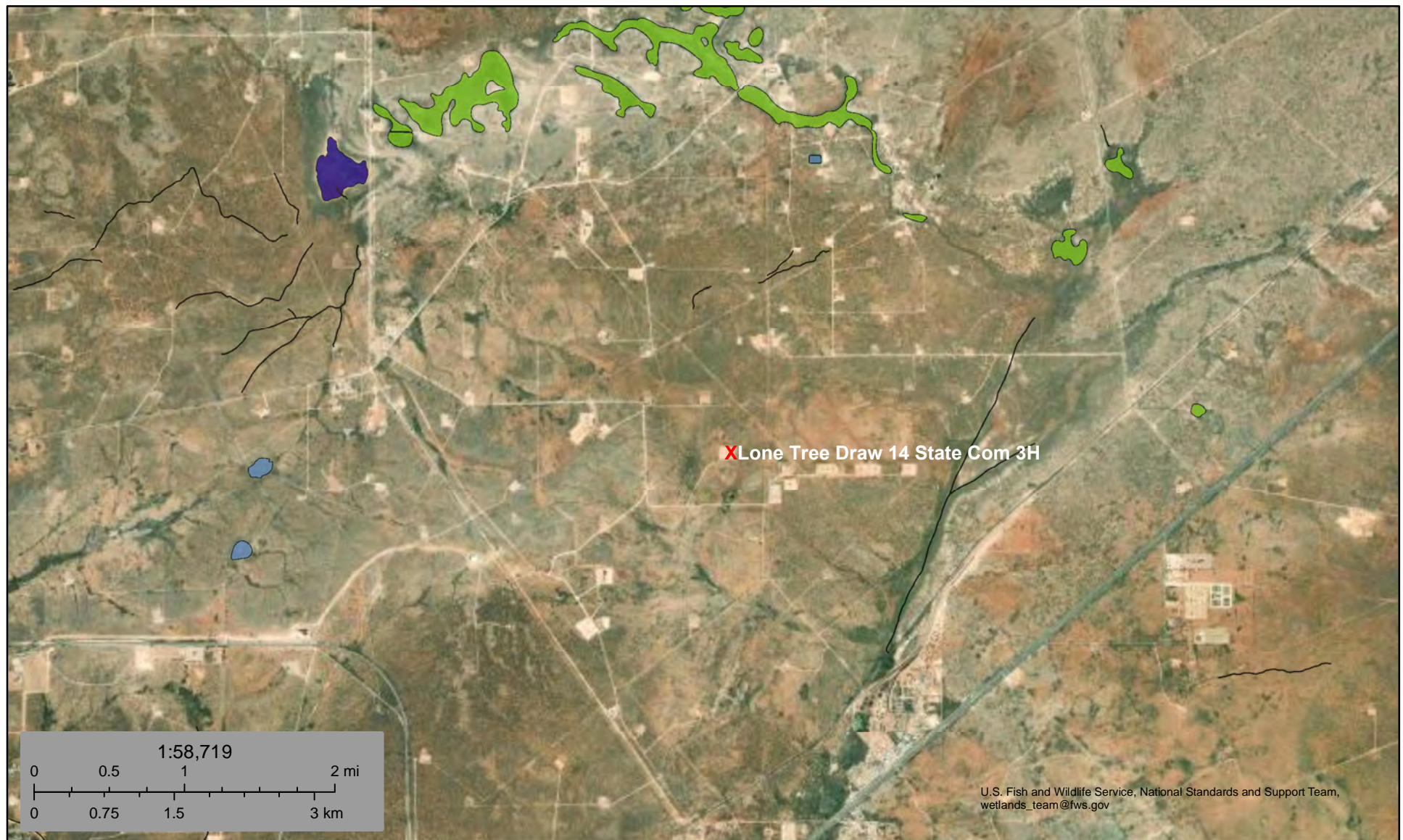
Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 18, Sep 8, 2022



Wetlands Map



January 31, 2023

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.



Pima Environmental Services

Appendix C

C-141 Form

48-Hour Notification

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

State of New Mexico
Energy Minerals and Natural
Resources Department

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

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

Incident ID	nAPP2300161700
District RP	
Facility ID	
Application ID	

Release Notification

Responsible Party

Responsible Party Devon Energy Production Company	OGRID 6137
Contact Name Dale Woodall	Contact Telephone 575-748-1838
Contact email dale.woodall@dvn.com	Incident # (assigned by OCD) nAPP2300161700
Contact mailing address 205 E. Bender Road # 150; Hobbs, NM 88240	

Location of Release Source

Latitude 32.4884796 Longitude -104.1549759
(NAD 83 in decimal degrees to 5 decimal places)

Site Name LONE TREE DRAW 14 STATE COM #003H	Site Type oil
Date Release Discovered 1/1/2023	API# (if applicable) 30-015-42083

Unit Letter	Section	Township	Range	County
P	11	21S	27E	EDDY

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

Nature and Volume of Release

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

<input checked="" type="checkbox"/> Crude Oil	Volume Released (bbls) 9.2	Volume Recovered (bbls) 1
<input type="checkbox"/> Produced Water	Volume Released (bbls)	Volume Recovered (bbls)
	Is the concentration of total dissolved solids (TDS) in the produced water >10,000 mg/l?	<input type="checkbox"/> Yes <input type="checkbox"/> No
<input type="checkbox"/> Condensate	Volume Released (bbls)	Volume Recovered (bbls)
<input type="checkbox"/> Natural Gas	Volume Released (Mcf)	Volume Recovered (Mcf)
<input type="checkbox"/> Other (describe)	Volume/Weight Released (provide units)	Volume/Weight Recovered (provide units)

Cause of Release
Lease operator arrived at location to check well and noticed fluid on the ground. The 2" pipe on the tubing had developed a hole before the 2" valve. The leak was isolated.

Incident ID	nAPP2300161700
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Was this a major release as defined by 19.15.29.7(A) NMAC? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, for what reason(s) does the responsible party consider this a major release? less than 25 bbls
If YES, was immediate notice given to the OCD? By whom? To whom? When and by what means (phone, email, etc)?	

Initial Response

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

<input checked="" type="checkbox"/> The source of the release has been stopped. <input checked="" type="checkbox"/> The impacted area has been secured to protect human health and the environment. <input checked="" type="checkbox"/> Released materials have been contained via the use of berms or dikes, absorbent pads, or other containment devices. <input checked="" type="checkbox"/> All free liquids and recoverable materials have been removed and managed appropriately.	
If all the actions described above have <u>not</u> been undertaken, explain why:	
Per 19.15.29.8 B. (4) NMAC the responsible party may commence remediation immediately after discovery of a release. If remediation has begun, please attach a narrative of actions to date. If remedial efforts have been successfully completed or if the release occurred within a lined containment area (see 19.15.29.11(A)(5)(a) NMAC), please attach all information needed for closure evaluation.	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
Printed Name: Dale Woodall	Title: Environmental Professional
Signature: <u>Dale Woodall</u>	Date: <u>1/11/2023</u>
email: <u>dale.woodall@dvn.com</u>	Telephone: <u>575-748-1838</u>
<u>OCD Only</u>	
Received by: <u>Jocelyn Harimon</u>	Date: <u>01/12/2023</u>

Incident ID	NAPP2300161700
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Site Assessment/Characterization

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?	<u><50</u> (ft bgs)
Did this release impact groundwater or surface water?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a continuously flowing watercourse or any other significant watercourse?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 200 feet of any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of an occupied permanent residence, school, hospital, institution, or church?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 500 horizontal feet of a spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 1000 feet of any other fresh water well or spring?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within incorporated municipal boundaries or within a defined municipal fresh water well field?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release within 300 feet of a wetland?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying a subsurface mine?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Are the lateral extents of the release overlying an unstable area such as karst geology?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Are the lateral extents of the release within a 100-year floodplain?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Did the release impact areas not on an exploration, development, production, or storage site?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Attach a comprehensive report (electronic submittals in .pdf format are preferred) demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined. Refer to 19.15.29.11 NMAC for specifics.

Characterization Report Checklist: *Each of the following items must be included in the report.*

- ☒ Scaled site map showing impacted area, surface features, subsurface features, delineation points, and monitoring wells.
- ☒ Field data
- ☒ Data table of soil contaminant concentration data
- ☒ Depth to water determination
- ☒ Determination of water sources and significant watercourses within ½-mile of the lateral extents of the release
- ☒ Boring or excavation logs
- ☒ Photographs including date and GIS information
- ☒ Topographic/Aerial maps
- ☒ Laboratory data including chain of custody

If the site characterization report does not include completed efforts at remediation of the release, the report must include a proposed remediation plan. That plan must include the estimated volume of material to be remediated, the proposed remediation technique, proposed sampling plan and methods, anticipated timelines for beginning and completing the remediation. The closure criteria for a release are contained in Table 1 of 19.15.29.12 NMAC, however, use of the table is modified by site- and release-specific parameters.

State of New Mexico
Oil Conservation Division

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

Printed Name: Dale Woodall Title: Environmental Professional
Signature: *Dale Woodall* Date: 3/22/2023
email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

Incident ID	NAPP2300161700
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Facility ID	
Application ID	

Closure

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 (electronic submittals in .pdf format are preferred) 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.

Closure Report Attachment Checklist: *Each of the following items must be included in the closure report.*

- ☒ A scaled site and sampling diagram as described in 19.15.29.11 NMAC
- ☒ Photographs of the remediated site prior to backfill or photos of the liner integrity if applicable (Note: appropriate OCD District office must be notified 2 days prior to liner inspection)
- ☒ Laboratory analyses of final sampling (Note: appropriate ODC District office must be notified 2 days prior to final sampling)
- ☐ Description of remediation activities

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.

Printed Name: Dale Woodall Title: Environmental Professional

Signature: Dale Woodall Date: 3/22/2023

email: dale.woodall@dvn.com Telephone: 575-748-1839

OCD Only

Received by: _____ Date: _____

Closure approval by the OCD does not relieve the responsible party of liability should their operations have failed to adequately investigate and remediate contamination that poses a threat to groundwater, surface water, human health, or the environment nor does not relieve the responsible party of compliance with any other federal, state, or local laws and/or regulations.

Closure Approved by: _____ Date: _____

Printed Name: _____ Title: _____



Pima Environmental Services

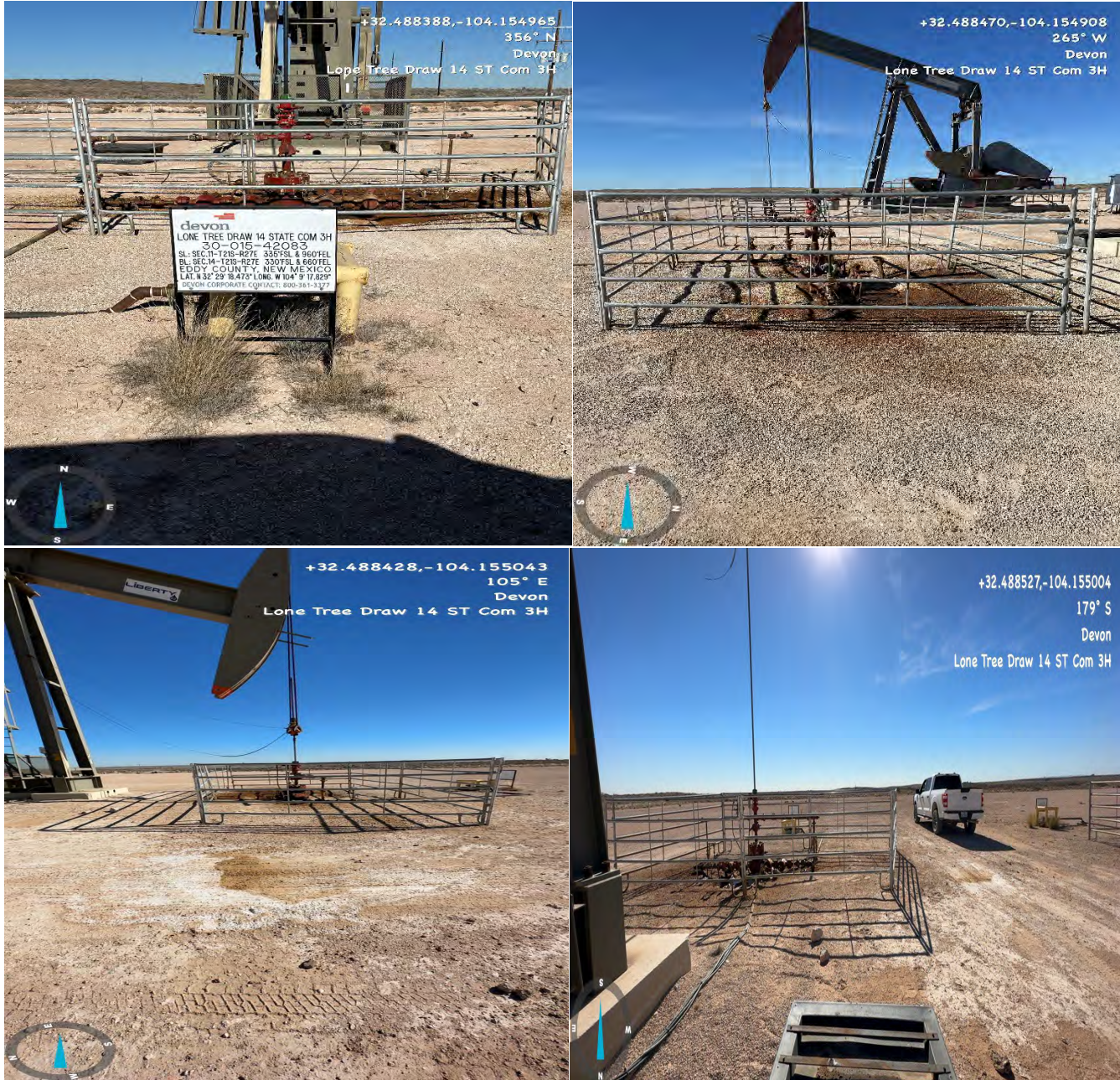
Appendix D

Photographic Documentation



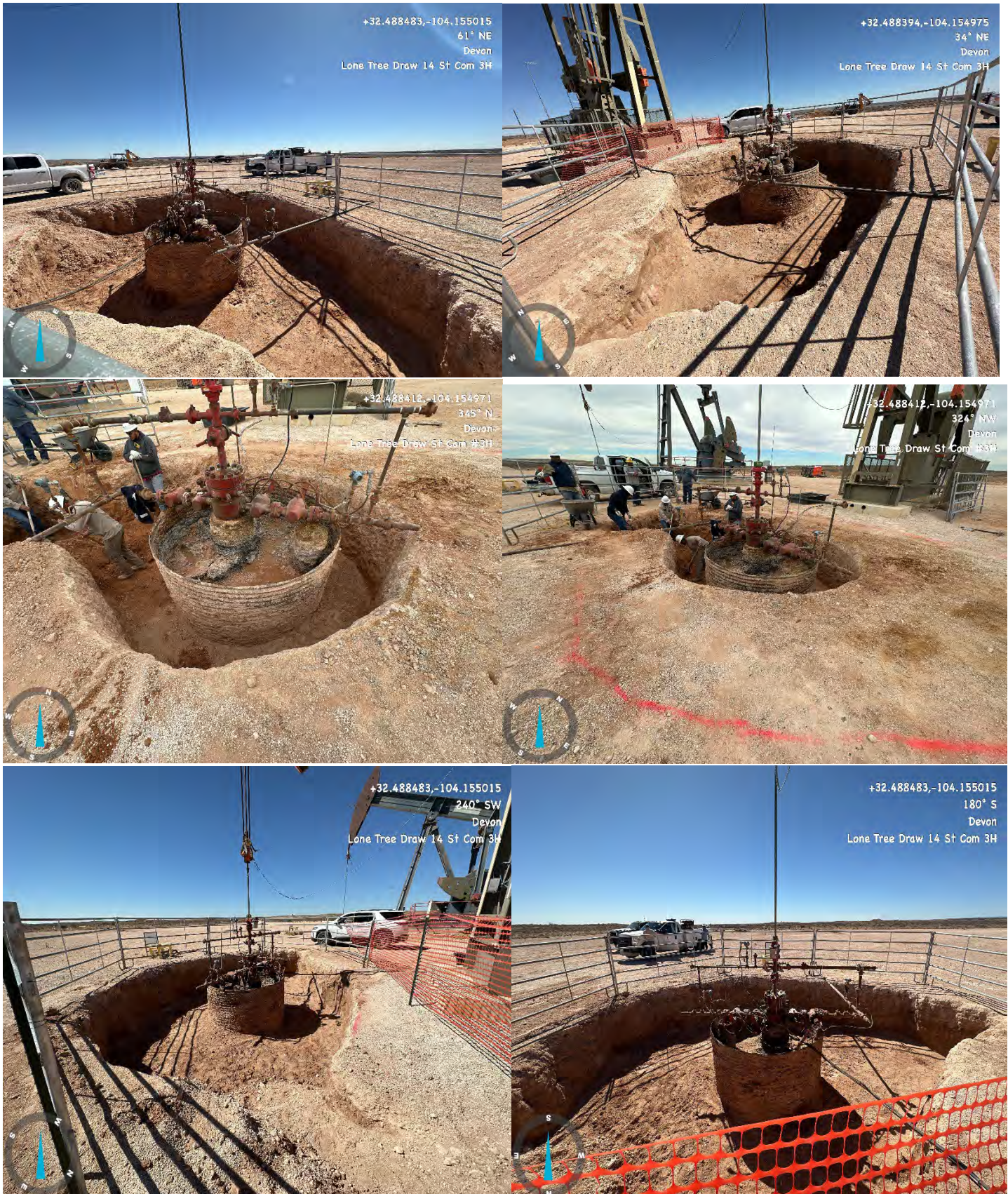
**SITE PHOTOGRAPHS
DEVON ENERGY
LONE TREE DRAW 14 STATE COM 3H**

Site Assessment





Excavation





Post Excavation





Pima Environmental Services

Appendix E

Laboratory Reports

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Lone Tree Draw 14 St Com 3H

Work Order: E301082

Job Number: 01058-0007

Received: 1/17/2023

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
1/23/23

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.
Envirotech Inc. holds the NM SDWA certification for data reported. (Lab #NM00979)

Date Reported: 1/23/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Lone Tree Draw 14 St Com 3H
Workorder: E301082
Date Received: 1/17/2023 8:10:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 1/17/2023 8:10:00AM, under the Project Name: Lone Tree Draw 14 St Com 3H.

The analytical test results summarized in this report with the Project Name: Lone Tree Draw 14 St Com 3H 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

Raina Schwanz
Laboratory Administrator
Office: 505-632-1881
rainaschwanz@envirotech-inc.com

Alexa Michaels
Sample Custody Officer
Office: 505-632-1881
labadmin@envirotech-inc.com

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Technical Representative/Client Services
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ljjarboe@envirotech-inc.com

West Texas Midland/Odessa Area
Rayny Hagan
Technical Representative
Office: 505-421-LABS(5227)

Envirotech Web Address: www.envirotech-inc.com

Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	5
Sample Data	6
S1 - 1'	6
S1 - 2'	7
S1 - 3'	8
S1 - 4'	9
S1 - 6'	10
S2 - 1	11
S2 - 2'	12
S2 - 3'	13
S2 - 4'	14
S2 - 6'	15
SW1	16
SW2	17
SW3	18
SW4	19
BG1	20
BG2	21
QC Summary Data	22
QC - Volatile Organic Compounds by EPA 8260B	22
QC - Nonhalogenated Organics by EPA 8015D - GRO	23
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	24

Table of Contents (continued)

QC - Anions by EPA 300.0/9056A	25
Definitions and Notes	26
Chain of Custody etc.	27

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/23/23 08:36

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1 - 1'	E301082-01A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
S1 - 2'	E301082-02A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
S1 - 3'	E301082-03A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
S1 - 4'	E301082-04A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
S1 - 6'	E301082-05A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
S2 - 1	E301082-06A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
S2 - 2'	E301082-07A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
S2 - 3'	E301082-08A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
S2 - 4'	E301082-09A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
S2 - 6'	E301082-10A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
SW1	E301082-11A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
SW2	E301082-12A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
SW3	E301082-13A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
SW4	E301082-14A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
BG1	E301082-15A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.
BG2	E301082-16A	Soil	01/13/23	01/17/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S1 - 1'

E301082-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene		102 %	70-130	01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	01/17/23	01/18/23	
Surrogate: Toluene-d8		93.7 %	70-130	01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene		102 %	70-130	01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4		105 %	70-130	01/17/23	01/18/23	
Surrogate: Toluene-d8		93.7 %	70-130	01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/18/23	
Surrogate: n-Nonane		107 %	50-200	01/18/23	01/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	227	20.0	1	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S1 - 2'

E301082-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	97.6 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	97.7 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.6 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	97.6 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/18/23	
Surrogate: n-Nonane	102 %	50-200		01/18/23	01/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	5380	200	10	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S1 - 3'

E301082-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	97.3 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	97.2 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	97.3 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/18/23	
Surrogate: n-Nonane	107 %	50-200		01/18/23	01/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	2890	40.0	2	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S1 - 4'

E301082-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	99.3 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	99.7 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	99.3 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/18/23	
Surrogate: n-Nonane	103 %	50-200		01/18/23	01/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	3670	40.0	2	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S1 - 6'

E301082-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	98.5 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	94.0 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	98.5 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/18/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/18/23	
Surrogate: n-Nonane	111 %	50-200		01/18/23	01/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	ND	20.0	1	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S2 - 1

E301082-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	0.572	0.0250	1	01/17/23	01/18/23	
Toluene	0.336	0.0250	1	01/17/23	01/18/23	
o-Xylene	1.34	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	2.19	0.0500	1	01/17/23	01/18/23	
Total Xylenes	3.53	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	99.1 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	69.8	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.5 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.8 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	99.1 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	16100	500	20	01/18/23	01/18/23	
Oil Range Organics (C28-C36)	12600	1000	20	01/18/23	01/18/23	
Surrogate: n-Nonane	132 %	50-200		01/18/23	01/18/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	3850	40.0	2	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S2 - 2'

E301082-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.1 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	98.3 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.1 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	99.2 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	98.3 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	630	25.0	1	01/18/23	01/20/23	
Oil Range Organics (C28-C36)	567	50.0	1	01/18/23	01/20/23	
Surrogate: n-Nonane	108 %	50-200		01/18/23	01/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	933	40.0	2	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S2 - 3'

E301082-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	96.7 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	97.2 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	96.7 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	234	25.0	1	01/18/23	01/20/23	
Oil Range Organics (C28-C36)	224	50.0	1	01/18/23	01/20/23	
Surrogate: n-Nonane	105 %	50-200		01/18/23	01/20/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	2110	40.0	2	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S2 - 4'

E301082-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2303024	
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	97.7 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2303024	
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.7 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	97.7 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: KM		Batch: 2303051	
Diesel Range Organics (C10-C28)	26.4	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane	103 %	50-200		01/18/23	01/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2303029	
Chloride	4750	200	10	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

S2 - 6'

E301082-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	96.8 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	96.8 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane	111 %	50-200		01/18/23	01/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	ND	20.0	1	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

SW1

E301082-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/18/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/18/23	
Toluene	ND	0.0250	1	01/17/23	01/18/23	
o-Xylene	ND	0.0250	1	01/17/23	01/18/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/18/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.8 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	97.7 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/18/23	
Surrogate: Bromofluorobenzene	98.8 %	70-130		01/17/23	01/18/23	
Surrogate: 1,2-Dichloroethane-d4	98.7 %	70-130		01/17/23	01/18/23	
Surrogate: Toluene-d8	97.7 %	70-130		01/17/23	01/18/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane	110 %	50-200		01/18/23	01/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	ND	20.0	1	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

SW2

E301082-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/19/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/19/23	
Toluene	ND	0.0250	1	01/17/23	01/19/23	
o-Xylene	ND	0.0250	1	01/17/23	01/19/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/19/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	98.1 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	97.8 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	99.9 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	98.1 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane	112 %	50-200		01/18/23	01/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	ND	20.0	1	01/17/23	01/17/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

SW3

E301082-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/19/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/19/23	
Toluene	ND	0.0250	1	01/17/23	01/19/23	
o-Xylene	ND	0.0250	1	01/17/23	01/19/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/19/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	98.8 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	97.3 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	92.4 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	98.8 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane	115 %	50-200		01/18/23	01/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	ND	20.0	1	01/17/23	01/18/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

SW4

E301082-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/19/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/19/23	
Toluene	ND	0.0250	1	01/17/23	01/19/23	
o-Xylene	ND	0.0250	1	01/17/23	01/19/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/19/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	99.1 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	97.0 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	99.1 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	97.0 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane	109 %	50-200		01/18/23	01/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	ND	20.0	1	01/17/23	01/18/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

BG1

E301082-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/19/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/19/23	
Toluene	ND	0.0250	1	01/17/23	01/19/23	
o-Xylene	ND	0.0250	1	01/17/23	01/19/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/19/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	96.2 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	96.6 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	96.2 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	96.0 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	96.6 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane	108 %	50-200		01/18/23	01/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	ND	20.0	1	01/17/23	01/18/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
1/23/2023 8:36:16AM

BG2

E301082-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Benzene	ND	0.0250	1	01/17/23	01/19/23	
Ethylbenzene	ND	0.0250	1	01/17/23	01/19/23	
Toluene	ND	0.0250	1	01/17/23	01/19/23	
o-Xylene	ND	0.0250	1	01/17/23	01/19/23	
p,m-Xylene	ND	0.0500	1	01/17/23	01/19/23	
Total Xylenes	ND	0.0250	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	95.8 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	97.3 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2303024
Gasoline Range Organics (C6-C10)	ND	20.0	1	01/17/23	01/19/23	
Surrogate: Bromofluorobenzene	95.8 %	70-130		01/17/23	01/19/23	
Surrogate: 1,2-Dichloroethane-d4	94.7 %	70-130		01/17/23	01/19/23	
Surrogate: Toluene-d8	97.3 %	70-130		01/17/23	01/19/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: KM		Batch: 2303051
Diesel Range Organics (C10-C28)	ND	25.0	1	01/18/23	01/19/23	
Oil Range Organics (C28-C36)	ND	50.0	1	01/18/23	01/19/23	
Surrogate: n-Nonane	109 %	50-200		01/18/23	01/19/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2303029
Chloride	ND	20.0	1	01/17/23	01/18/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:36:16AM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2303024-BLK1)

Prepared: 01/17/23 Analyzed: 01/17/23

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	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

LCS (2303024-BS1)

Prepared: 01/17/23 Analyzed: 01/19/23

Benzene	2.57	0.0250	2.50		103	70-130			
Ethylbenzene	2.33	0.0250	2.50		93.2	70-130			
Toluene	2.35	0.0250	2.50		94.1	70-130			
o-Xylene	2.44	0.0250	2.50		97.4	70-130			
p,m-Xylene	4.70	0.0500	5.00		94.0	70-130			
Total Xylenes	7.14	0.0250	7.50		95.2	70-130			
Surrogate: Bromofluorobenzene	0.497		0.500		99.3	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			

Matrix Spike (2303024-MS1)

Source: E301082-01

Prepared: 01/17/23 Analyzed: 01/17/23

Benzene	2.26	0.0250	2.50	ND	90.6	48-131			
Ethylbenzene	2.08	0.0250	2.50	ND	83.4	45-135			
Toluene	2.12	0.0250	2.50	ND	84.6	48-130			
o-Xylene	2.18	0.0250	2.50	ND	87.1	43-135			
p,m-Xylene	4.16	0.0500	5.00	ND	83.2	43-135			
Total Xylenes	6.34	0.0250	7.50	ND	84.5	43-135			
Surrogate: Bromofluorobenzene	0.499		0.500		99.7	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.8	70-130			
Surrogate: Toluene-d8	0.486		0.500		97.2	70-130			

Matrix Spike Dup (2303024-MSD1)

Source: E301082-01

Prepared: 01/17/23 Analyzed: 01/17/23

Benzene	2.29	0.0250	2.50	ND	91.6	48-131	1.16	23	
Ethylbenzene	2.13	0.0250	2.50	ND	85.2	45-135	2.11	27	
Toluene	2.15	0.0250	2.50	ND	85.9	48-130	1.52	24	
o-Xylene	2.21	0.0250	2.50	ND	88.4	43-135	1.46	27	
p,m-Xylene	4.27	0.0500	5.00	ND	85.3	43-135	2.49	27	
Total Xylenes	6.48	0.0250	7.50	ND	86.3	43-135	2.14	27	
Surrogate: Bromofluorobenzene	0.500		0.500		100	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.489		0.500		97.7	70-130			
Surrogate: Toluene-d8	0.491		0.500		98.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:36:16AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2303024-BLK1)

Prepared: 01/17/23 Analyzed: 01/17/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.487		0.500		97.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.492		0.500		98.4	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

LCS (2303024-BS2)

Prepared: 01/17/23 Analyzed: 01/19/23

Gasoline Range Organics (C6-C10)	55.6	20.0	50.0		111	70-130			
Surrogate: Bromofluorobenzene	0.493		0.500		98.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.8	70-130			

Matrix Spike (2303024-MS2)

Source: E301082-01

Prepared: 01/17/23 Analyzed: 01/17/23

Gasoline Range Organics (C6-C10)	47.0	20.0	50.0	ND	94.0	70-130			
Surrogate: Bromofluorobenzene	0.490		0.500		97.9	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.488		0.500		97.5	70-130			
Surrogate: Toluene-d8	0.481		0.500		96.2	70-130			

Matrix Spike Dup (2303024-MSD2)

Source: E301082-01

Prepared: 01/17/23 Analyzed: 01/18/23

Gasoline Range Organics (C6-C10)	42.3	20.0	50.0	ND	84.7	70-130	10.5	20	
Surrogate: Bromofluorobenzene	0.492		0.500		98.4	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.481		0.500		96.1	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:36:16AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: KM

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2303051-BLK1)					Prepared: 01/18/23 Analyzed: 01/18/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.8		50.0		110	50-200			

LCS (2303051-BS1)					Prepared: 01/18/23 Analyzed: 01/18/23				
Diesel Range Organics (C10-C28)	252	25.0	250		101	38-132			
Surrogate: n-Nonane	52.7		50.0		105	50-200			

Matrix Spike (2303051-MS1)					Source: E301082-05		Prepared: 01/18/23 Analyzed: 01/18/23		
Diesel Range Organics (C10-C28)	269	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	55.0		50.0		110	50-200			

Matrix Spike Dup (2303051-MSD1)					Source: E301082-05		Prepared: 01/18/23 Analyzed: 01/18/23		
Diesel Range Organics (C10-C28)	271	25.0	250	ND	108	38-132	0.757	20	
Surrogate: n-Nonane	54.1		50.0		108	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	1/23/2023 8:36:16AM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2303029-BLK1)					Prepared: 01/17/23 Analyzed: 01/17/23				
Chloride	ND	20.0							
LCS (2303029-BS1)					Prepared: 01/17/23 Analyzed: 01/17/23				
Chloride	257	20.0	250		103	90-110			
Matrix Spike (2303029-MS1)					Source: E301082-01		Prepared: 01/17/23 Analyzed: 01/17/23		
Chloride	542	20.0	250	227	126	80-120			M2
Matrix Spike Dup (2303029-MSD1)					Source: E301082-01		Prepared: 01/17/23 Analyzed: 01/17/23		
Chloride	515	20.0	250	227	115	80-120	5.11	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	01/23/23 08:36

- M2 Matrix spike recovery was outside quality control limits. The associated LCS spike recovery was acceptable.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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 2

Client: Pima Environmental Services Project: Lone Tree Draw 14 St Com 3H Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1232					Lab Use Only Lab WO# E301082 Job Number 00580007 Analysis and Method DRO/DRO by 8015 GRO/DRO by 8015 BTEX by 8021 VOC by 8260 Metals 6010 Chloride 300.0 BGD OC NM BGD OC TX					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA State NM CO UT AZ TX X	
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number											Remarks				
8:00	1/13/23	S	1	S1-1'	1															
8:05				S1-2'	2															
8:10				S1-3'	3															
8:15				S1-4'	4															
8:20				S1-6'	5															
8:25				S2-1	6															
8:30				S2-2'	7															
8:35				S2-3'	8															
8:40				S2-4'	9															
8:45				S2-6'	10															
Additional Instructions: Bill to Devon: 21112957																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.																				
Relinquished by: (Signature) <u>AB</u> Date <u>1-16-23</u> Time <u>2:00</u> Received by: (Signature) <u>Michelle Cuyler</u> Date <u>1-16-23</u> Time <u>1435</u>																				
Relinquished by: (Signature) <u>Michelle Cuyler</u> Date <u>1-16-23</u> Time <u>1730</u> Received by: (Signature) <u>Lorenz</u> Date <u>1-16-23</u> Time <u>1815</u>																				
Relinquished by: (Signature) <u>Lorenz</u> Date <u>1-16-23</u> Time <u>2400</u> Received by: (Signature) <u>Carla Chite</u> Date <u>1/17/23</u> Time <u>8:10</u>																				
Sample Matrix: <u>S</u> - Solid, <u>Sg</u> - Sludge, <u>A</u> - Aqueous, <u>O</u> - Other Container Type: <u>g</u> - glass, <u>p</u> - poly/plastic, <u>ag</u> - amber glass, <u>v</u> - 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 2

Client: Pima Environmental Services Project: Lone Tree Draw 14 st com 3H Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip: Hobbs, NM, 88240 Phone: 580-748-1613 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Address: City, State, Zip: Phone: Email: Pima Project # 1-232					Lab Use Only Lab WO# E 301082 Job Number 01058-0057					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA			
					Analysis and Method									State NM CO UT AZ TX								
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				
8:50	1/13/23	S	1	SW1	11																	
8:55				SW2	12																	
9:00				SW3	13																	
9:05				SW4	14																	
9:10				BG1	15																	
9:15				BG2	16																	
Additional Instructions: Bill to Devon: 21112957																						
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: Audriana Benavidez																						
Relinquished by: (Signature) AB					Date 1-16-23		Time 2:00		Received by: (Signature) Michelle Cuyak					Date 1-16-23		Time 1435		Lab Use Only Received on ice: (Y) N				
Relinquished by: (Signature) Michelle Cuyak					Date 1-16-23		Time 1730		Received by: (Signature) Lorenz					Date 1-16-23		Time 1815		T1 T2 T3				
Relinquished by: (Signature) Lorenz					Date 1-16-23		Time 2400		Received by: (Signature) Caitlin Cate					Date 1/17/23		Time 8:10		AVG Temp °C 4				
Sample Matrix: S - Solid, 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: 1/17/2023 9:26:34AM

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:	01/17/23 08:10	Work Order ID:	E301082
Phone:	(575) 631-6977	Date Logged In:	01/16/23 15:55	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	01/23/23 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? Yes
5. Were all samples received within holding time? Yes

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

Carrier: CourierComments/ResolutionSample 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:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Lone Tree Draw 14 St Com 3H

Work Order: E303013

Job Number: 01058-0007

Received: 3/4/2023

Revision: 2

Report Reviewed By:

Walter Hinchman
Laboratory Director
3/7/23

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: 3/7/23

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Lone Tree Draw 14 St Com 3H
Workorder: E303013
Date Received: 3/4/2023 7:15:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 3/4/2023 7:15:00AM, under the Project Name: Lone Tree Draw 14 St Com 3H.

The analytical test results summarized in this report with the Project Name: Lone Tree Draw 14 St Com 3H 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,

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Table of Contents

Title Page	1
Cover Page	2
Table of Contents	3
Sample Summary	4
Sample Data	5
CS1	5
CS2	6
CS3	7
CSW1	8
CSW2	9
CSW3	10
CSW4	11
CSW5	12
CSW6	13
CSW7	14
CSW1	15
QC Summary Data	16
QC - Volatile Organics by EPA 8021B	16
QC - Nonhalogenated Organics by EPA 8015D - GRO	17
QC - Nonhalogenated Organics by EPA 8015D - DRO/ORO	18
QC - Anions by EPA 300.0/9056A	19
Definitions and Notes	20
Chain of Custody etc.	21

Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/07/23 16:49

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
CS1	E303013-01A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CS2	E303013-02A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CS3	E303013-03A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CSW1	E303013-04A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CSW2	E303013-05A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CSW3	E303013-06A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CSW4	E303013-07A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CSW5	E303013-08A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CSW6	E303013-09A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CSW7	E303013-10A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.
CSW1	E303013-11A	Soil	03/02/23	03/04/23	Glass Jar, 2 oz.



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CS1

E303013-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2310001	
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	98.3 %	70-130		03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2310001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.6 %	70-130		03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: RAS		Batch: 2310005	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>						
	92.4 %	50-200		03/06/23	03/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: BA		Batch: 2310003	
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CS2

E303013-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.0 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>						
		89.5 %	50-200	03/06/23	03/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310003
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CS3

E303013-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.8 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>						
		92.3 %	50-200	03/06/23	03/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310003
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CSW1

E303013-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2310001	
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2310001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		95.3 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2310005	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>		95.8 %	50-200	03/06/23	03/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2310003	
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CSW2

E303013-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.9 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>						
		83.1 %	50-200	03/06/23	03/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310003
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CSW3

E303013-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/07/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/07/23	
<i>Surrogate: n-Nonane</i>						
		92.1 %	50-200	03/06/23	03/07/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310003
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CSW4

E303013-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		85.5 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>						
		92.8 %	50-200	03/06/23	03/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310003
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CSW5

E303013-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: IY		Batch: 2310001	
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2310001	
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		90.0 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: RAS		Batch: 2310005	
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>		96.2 %	50-200	03/06/23	03/06/23	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: BA		Batch: 2310003	
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CSW6

E303013-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.3 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>						
		85.5 %	50-200	03/06/23	03/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310003
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CSW7

E303013-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.4 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>						
		95.0 %	50-200	03/06/23	03/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310003
Chloride	ND	20.0	1	03/06/23	03/06/23	



Sample Data

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

Project Name: Lone Tree Draw 14 St Com 3H
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
3/7/2023 4:49:14PM

CSW1

E303013-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Benzene	ND	0.0250	1	03/06/23	03/06/23	
Ethylbenzene	ND	0.0250	1	03/06/23	03/06/23	
Toluene	ND	0.0250	1	03/06/23	03/06/23	
o-Xylene	ND	0.0250	1	03/06/23	03/06/23	
p,m-Xylene	ND	0.0500	1	03/06/23	03/06/23	
Total Xylenes	ND	0.0250	1	03/06/23	03/06/23	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		106 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2310001
Gasoline Range Organics (C6-C10)	ND	20.0	1	03/06/23	03/06/23	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		93.9 %	70-130	03/06/23	03/06/23	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: RAS		Batch: 2310005
Diesel Range Organics (C10-C28)	ND	25.0	1	03/06/23	03/06/23	
Oil Range Organics (C28-C36)	ND	50.0	1	03/06/23	03/06/23	
<i>Surrogate: n-Nonane</i>						
		96.5 %	50-200	03/06/23	03/06/23	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: BA		Batch: 2310003
Chloride	ND	20.0	1	03/06/23	03/06/23	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/7/2023 4:49:14PM

Volatile Organics by EPA 8021B

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2310001-BLK1)

Prepared: 03/06/23 Analyzed: 03/06/23

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	8.09		8.00		101	70-130			

LCS (2310001-BS1)

Prepared: 03/06/23 Analyzed: 03/06/23

Benzene	3.89	0.0250	5.00		77.8	70-130			
Ethylbenzene	3.91	0.0250	5.00		78.1	70-130			
Toluene	4.02	0.0250	5.00		80.4	70-130			
o-Xylene	4.02	0.0250	5.00		80.3	70-130			
p,m-Xylene	7.95	0.0500	10.0		79.5	70-130			
Total Xylenes	12.0	0.0250	15.0		79.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	8.09		8.00		101	70-130			

LCS Dup (2310001-BS1)

Prepared: 03/06/23 Analyzed: 03/06/23

Benzene	3.72	0.0250	5.00		74.3	70-130	4.51	20	
Ethylbenzene	3.73	0.0250	5.00		74.6	70-130	4.64	20	
Toluene	3.84	0.0250	5.00		76.9	70-130	4.51	20	
o-Xylene	3.83	0.0250	5.00		76.6	70-130	4.65	20	
p,m-Xylene	7.60	0.0500	10.0		76.0	70-130	4.52	20	
Total Xylenes	11.4	0.0250	15.0		76.2	70-130	4.56	20	
Surrogate: 4-Bromochlorobenzene-PID	8.11		8.00		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/7/2023 4:49:14PM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: IY

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2310001-BLK1)

Prepared: 03/06/23 Analyzed: 03/06/23

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.05		8.00		88.2	70-130			

LCS (2310001-BS2)

Prepared: 03/06/23 Analyzed: 03/06/23

Gasoline Range Organics (C6-C10)	50.4	20.0	50.0		101	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.53		8.00		94.1	70-130			

LCS Dup (2310001-BSD2)

Prepared: 03/06/23 Analyzed: 03/06/23

Gasoline Range Organics (C6-C10)	49.0	20.0	50.0		98.1	70-130	2.73	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.54		8.00		94.2	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/7/2023 4:49:14PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: RAS

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 (2310005-BLK1)					Prepared: 03/06/23 Analyzed: 03/07/23				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.7		50.0		105	50-200			

LCS (2310005-BS1)					Prepared: 03/06/23 Analyzed: 03/07/23				
Diesel Range Organics (C10-C28)	228	25.0	250		91.0	38-132			
Surrogate: n-Nonane	45.2		50.0		90.5	50-200			

Matrix Spike (2310005-MS1)					Source: E303013-01		Prepared: 03/06/23 Analyzed: 03/07/23		
Diesel Range Organics (C10-C28)	237	25.0	250	ND	94.8	38-132			
Surrogate: n-Nonane	44.7		50.0		89.3	50-200			

Matrix Spike Dup (2310005-MSD1)					Source: E303013-01		Prepared: 03/06/23 Analyzed: 03/07/23		
Diesel Range Organics (C10-C28)	251	25.0	250	ND	100	38-132	5.71	20	
Surrogate: n-Nonane	44.2		50.0		88.3	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	3/7/2023 4:49:14PM

Anions by EPA 300.0/9056A

Analyst: BA

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

Blank (2310003-BLK1)					Prepared: 03/06/23 Analyzed: 03/06/23				
Chloride	ND	20.0							
LCS (2310003-BS1)					Prepared: 03/06/23 Analyzed: 03/06/23				
Chloride	245	20.0	250		98.1	90-110			
Matrix Spike (2310003-MS1)					Source: E303013-01		Prepared: 03/06/23 Analyzed: 03/06/23		
Chloride	251	20.0	250	ND	101	80-120			
Matrix Spike Dup (2310003-MSD1)					Source: E303013-01		Prepared: 03/06/23 Analyzed: 03/06/23		
Chloride	250	20.0	250	ND	99.8	80-120	0.776	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Lone Tree Draw 14 St Com 3H	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	03/07/23 16:49

- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite

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 2

Client: Pima Environmental Services				Bill To		Lab Use Only		TAT		EPA Program					
Project: Lone Tree Draw 14 St com 3H				Attention: Devon		Lab WO# E 363613		Job Number 01058-0007		1D	2D	3D	Standard	CWA	SDWA
Project Manager: Tom Bynum				Address:		Analysis and Method								RCRA	
Address: 5614 N. Lovington Hwy.				City, State, Zip		DRO/ORO by 8015		GRO/DRO by 8015		BTX by 8021		VOC by 8260		Metals 6010	
City, State, Zip Hobbs, NM, 88240				Phone:		Chloride 300.0									
Phone: 580-748-1613				Email:											
Email: tom@pimaoil.com				Pima Project # 1-232											
Report due by:															

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:00	3/2/23	S	1	CS1	1							X		
9:05				CS2	2									
9:10				CS3	3									
9:15				CSW1	4									
9:20				CSW2	5									
9:25				CSW3	6									
9:30				CSW4	7									
9:35				CSW5	8									
9:40				CSW6	9									
9:45				CSW7	10									

Additional Instructions: Billing #: 2112957

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

Relinquished by: (Signature) AB Date 3/3/23 Time 2:00 Received by: (Signature) Michelle Camps Date 3-3-23 Time 1400

Relinquished by: (Signature) Michelle Camps Date 3-3-23 Time 1645 Received by: (Signature) Lorenz Date 3-3-23 Time 2230

Relinquished by: (Signature) Lorenz Date 3-3-23 Time 2230 Received by: (Signature) Irene Zhorri Date 03/04/23 Time 7:15

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



Envirotech Analytical Laboratory

Printed: 3/6/2023 8:14:57AM

Sample Receipt Checklist (SRC)

Instructions: Please take note of any NO checkmarks.

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

Client:	Pima Environmental Services-Carlsbad	Date Received:	03/04/23 07:15	Work Order ID:	E303013
Phone:	(575) 631-6977	Date Logged In:	03/03/23 14:17	Logged In By:	Caitlin Christian
Email:	tom@pimaoil.com	Due Date:	03/06/23 17:00 (0 day TAT)		

Chain of Custody (COC)

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

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/ResolutionSample Turn Around Time (TAT)

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

Sample Cooler

7. Was a sample cooler received? No
8. If yes, was cooler received in good condition? NA
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?	No
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.

District I
1625 N. French Dr., Hobbs, NM 88240
Phone:(575) 393-6161 Fax:(575) 393-0720
District II
811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720
District III
1000 Rio Brazos Rd., Aztec, NM 87410
Phone:(505) 334-6178 Fax:(505) 334-6170
District IV
1220 S. St Francis Dr., Santa Fe, NM 87505
Phone:(505) 476-3470 Fax:(505) 476-3462

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

CONDITIONS

Action 199610

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 199610
	Action Type: [C-141] Release Corrective Action (C-141)

CONDITIONS

Created By	Condition	Condition Date
rhamlet	We have received your closure report and final C-141 for Incident #NAPP2300161700 LONE TREE DRAW 14 STATE COM #003H, thank you. This closure is approved.	8/4/2023