

Volume calculator

There was no volume calculator prepared when the spill occurred.



LAGUNA SALADO SOUTH #1

Incident ID nAB1506157520

PREPARED BY:
PIMA ENVIRONMENTAL SERVICES, LLC

PREPARED FOR:
DEVON ENERGY PRODUCTION CO, LP

Remediation Work Plan

September 24, 2024

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

Re: Site Characteristic and Remediation Plan Report

Laguna Salado South #001

API # 30-015-26407

NMOCD Incident ID nAB1506157520

ULSTR - F - 22 - 23S - 29E 2030 FNL 1980 FWL

Eddy County, NM

GPS Coordinates: Latitude 32.2922554 Longitude -103.9748001

This produced water release was discovered by the operator on January 22, 2015. The initial C-141 form was submitted on January 23, 2015, and approved on March 2, 2015 (Appendix C). This incident was assigned Incident ID nAB1506157520 by the New Mexico Oil Conservation Division (NMOCD).

Site Characterization

The Laguna Salado South #001 (Laguna) is located approximately seven (7) miles east of Loving, NM. The release area on the well pad is in Unit F, Section 22, Township 23S, Range 29E, Latitude 32.2922554 Longitude -103.9748001, Eddy County, NM. A Location Map can be found in Figure 1.

Per the New Mexico Bureau of Geology and Mineral Resources, the geology in this area is made up of Lacustrine and playa-lake deposits; Includes associated alluvial and eolian deposits of major lake basins. The soil in this area is made up of Cottonwood-Reeves loams, overflow, 0 to 3 percent slopes, according to the United States Department of Agriculture Natural Resources Conservation Service soil survey. The drainage class in this area is: well drained (Appendix B). A Topographic Map can be found in Figure 2. The nearest surface water body is a salt pond located approximately 311 feet to the southwest of this site. There is a medium potential for karst geology to be present around the Laguna (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is greater than 200 feet below grade surface (bgs). According to the United States Geological Survey well water data (USGS 321717103561001 23S.29E.24.41321), depth to the nearest groundwater in this area is 50 feet bgs. The groundwater information from C-02797 establishes a lack of groundwater at 200' bgs. The NMOSE attached conditions to this monitoring well that can be seen in Appendix A. Depth to groundwater at the Laguna will be classified as <50' bgs but due to the natural salt lakes and the salt mining in this area, the groundwater in this area can be classified as "not protectable." Referenced water surveys and water-related maps can be found in Appendix A.

This location is surrounded on three sides by New Mexico Salt and United Salt Lake Plant. Salt is mined throughout the year from these natural salt lakes. Complete horizontal and vertical delineation is not feasible in this area as naturally occurring salt properties are evident. The remediation goal for these releases is to remove TPH properties to protect the salt mining capabilities of the area. To verify these facts even further, a USGS Water Quality results page is included in Appendix A. This data shows 2 different samples taken from USGS water well 322037103580901 22S.29E.34.3423 WIPP-29 where the water here contained 49,000 mg/L on March 18, 1980, and then 140,000 mg/L on August 20, 1980. This well is located 3.48 miles north of the Laguna and is the nearest well with water quality data. Groundwater in and around these natural salt lakes is not useable and not protectable.

Release Information

nAB1506157520: On January 22, 2015, the 2" valve leading from the 1440# separator to the water tanks was closed causing the vent tank to run over. The valve was immediately open upon discovery of the release to prevent further release. 6 of the 8 bbls of release bbls of oil were contained within the lined secondary containment. 2 of the released bbls of oil overflowed from the secondary containment onto the well pad on the south side of the vent tank. The size of the affected area was approximately 15' X 15'. A vacuum truck recovered all 8 bbls of oil spilled.

Site Assessment and Delineation Activities

On March 28, 2023, Pima personnel mobilized to the site to perform delineation activities of the affected area. After more research it was found that the wrong area had been assessed. In July of 2024, remediation was performed and confirmed in this incorrect area.

Countermeasures due to Remediation Closure denied

To whom it may concern (c/o Dale Woodall for DEVON ENERGY PRODUCTION COMPANY, LP),

The OCD has rejected the submitted *Application for administrative approval of a release notification and corrective action* (C-141), for incident ID (n#) nAB1506157520, for the following reasons:

- Remediation closure is denied. The OCD is requesting that 2 additional background samples be collected; one should be collected 60 yards north of the pad and one should be collected 60 yards east of the road which is located to the east of the pad. These should be collected in 1' increments, down to 4', and tested for all Table I constituents.
- OCD found more files and photos regarding incident NAB1506157520 which has been added to the Incident Files. This shows the location of NAB1506157520. Delineation samples will need to be collected in this area in 1' increments, to a depth of 4'.
- Based on the information provided on the initial C-141 for NLLB0631140464, OCD believes samples should be collected within the fenced area in the northeast section of pad where the separator is. On initial C-141, under Describe Area Affected it states: 25' x 100' area affected. Back in 2006 when the release occurred, this area was closer to those dimensions than the tank battery according to google earth imagery. Due to the age of the release, collect delineation samples in 1' increments, to a depth of 4'.
- If these samples may be used for closure then submit C-141N notices two business days prior to sample collection. A variance must be requested pursuant to 19.15.29.14 NMAC in order to use delineation samples for closure unless five-point composite samples are collected every 200 square feet. Resubmit report by 11/18/2024.

The rejected C-141 can be found in the OCD Online: Permitting - Action Status, under the Application ID: 373570.

Please review and make the required correction(s) prior to resubmitting. If you have any questions why this application was rejected or believe it was rejected in error, please contact me prior to submitting an additional C-141.

On September 13, 2024, Pima personnel returned to the site to collect the requested additional background samples as well as delineation samples for the correct affected area. Two (2) sample points were located 60 yards north of the pad and 60 yards east of the road as directed by the NMOCD comments above. Discrete samples were collected from these 2 points from depth intervals of surface, 1', 2', 3', and 4' bgs. Six (6) sample points were located in the affected area of the nAB1506157520 release. Sample points 1 and 2 contain samples collected from depth intervals of surface, 1', 2', 3', and 4' bgs for the purpose of vertical delineation. Sample points 3 through 6 contain samples collected from depth intervals of surface, 1', 2', 3', and 4' bgs for the purpose of horizontal delineation.

A total of forty (40) samples were put on ice, jarred, and delivered to Envirotech Analytical Laboratories for official analysis of all constituents listed in Table 1 19.15.29.12 NMAC. A 48-Hour Sampling Notification was submitted by Devon on September 11, 2024, and can be referenced in Appendix C (OCD Online: Permitting – Application ID 382774).

All sample results can be found in the Data Table in Figure 6. A nAB1506157520 Release Area Map can be found in Figure 4 while a corresponding Background Sample Map can be referenced in Figure 5. Complete laboratory reports can be found in Appendix E. Photographic Documentation can be referenced in Appendix D.

Proposed Remediation Activities

On behalf of Devon, Pima proposes the following method for the remediation of this release area:

- Submit a one-call through the NM811 system.
- The estimated total volume of soil to be remediated is approximately 4 cubic yards from the 200 square foot area around the sample points 2-Surface and 3-Surface.
- We propose to excavate the 200 square foot area to a depth of 6" bgs, or until sample results for TPH properties are verified to be under the regulatory limits as per the less than 50-foot depth to groundwater requirement in Table 1 19.15.29.12 NMAC.
- The contaminated soil will be disposed of at an NMOCD-approved disposal facility. Then clean, like material will be brought to the location to be used for backfilling. A Proposed Excavation Map can be found in Figure 7.
- A 48-hour sampling notification will be issued to NMOCD for confirmation sampling of the areas.
- Confirmation samples will be composite samples representing no more than 200 square feet from the base and walls of the excavated area.
- Once all sample results confirm the contamination has been removed from each area, a remediation closure report will be drafted and submitted to the NMOCD Portal for review/approval.

Devon has complied with the applicable requirements set forth in 19.15.19.12 NMAC and requests that this remediation work plan for incident ID nAPP2425352986 be approved.

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

Devon Energy Production – Dale Woodall at 575-748-1838 or Dale.Woodall@dyn.com.

Pima Environmental Services – Tom Bynum at 580-748-1613 or tom@pimaoil.com.

Attachments

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- nAB1506157520 Release Area Map
- 5- Background Sample Map
- 6- Data Table
- 7- Proposed Excavation Map

Appendices:

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

Figures:

Location Map

Topographic Map

Karst Map

nAB1506157520 Release Area Map

Background Sample Map

Data Table

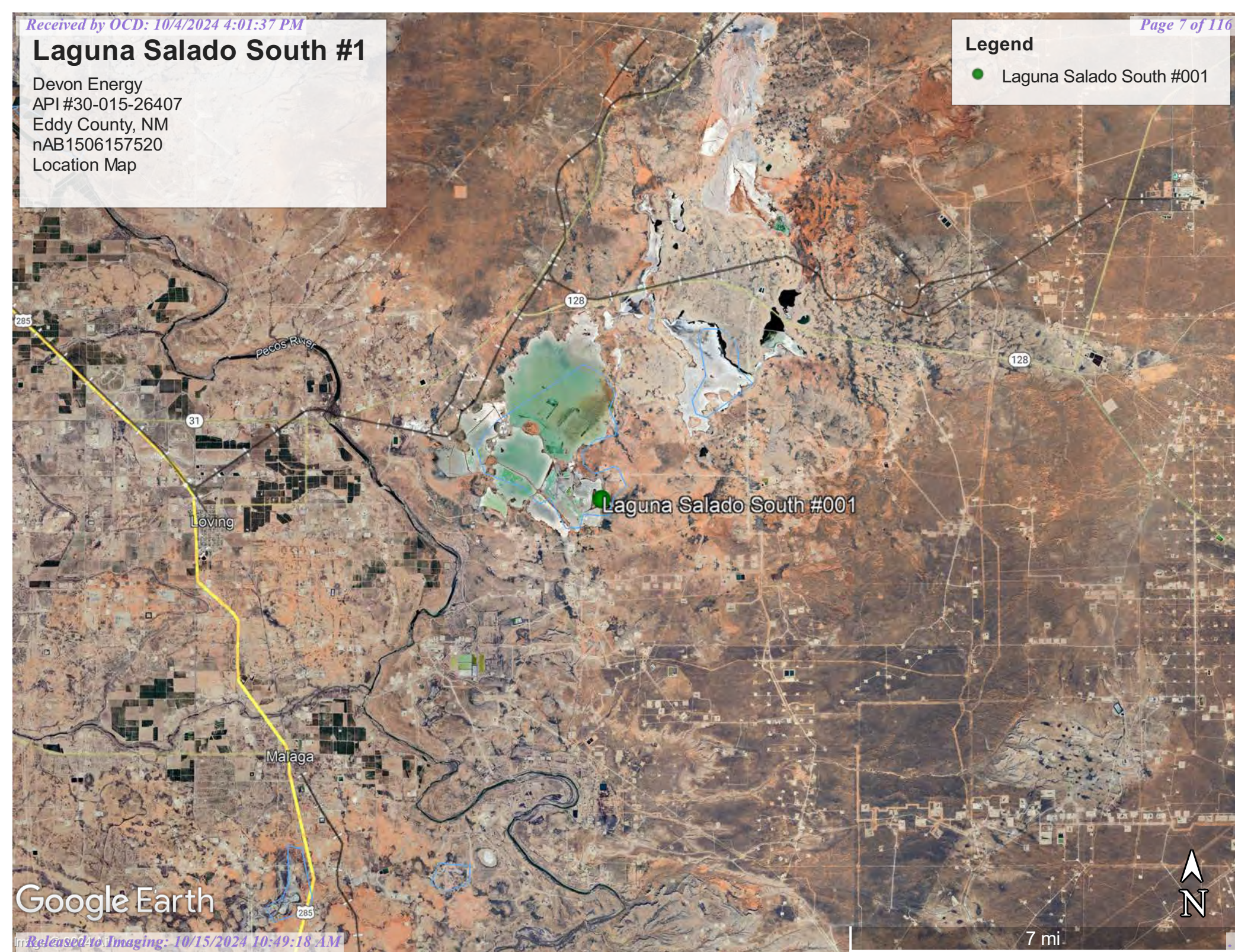
Proposed Excavation Map

Laguna Salado South #1

Devon Energy
API #30-015-26407
Eddy County, NM
nAB1506157520
Location Map

Legend

● Laguna Salado South #001



Google Earth

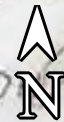
Laguna Salado South #1

Devon Energy
API #30-015-26407
Eddy County, NM
nAB1506157520
Topographic Map

Legend

- Laguna Salado South #001

Laguna Salado South #001






4000 ft

Google Earth

Laguna Salado South #1

Devon Energy
API #30-015-26407
Eddy County, NM
nAB1506157520
Karst Map

Legend

-  High Karst
-  Low Karst
-  Medium Karst

Laguna Salado South #001

Google Earth



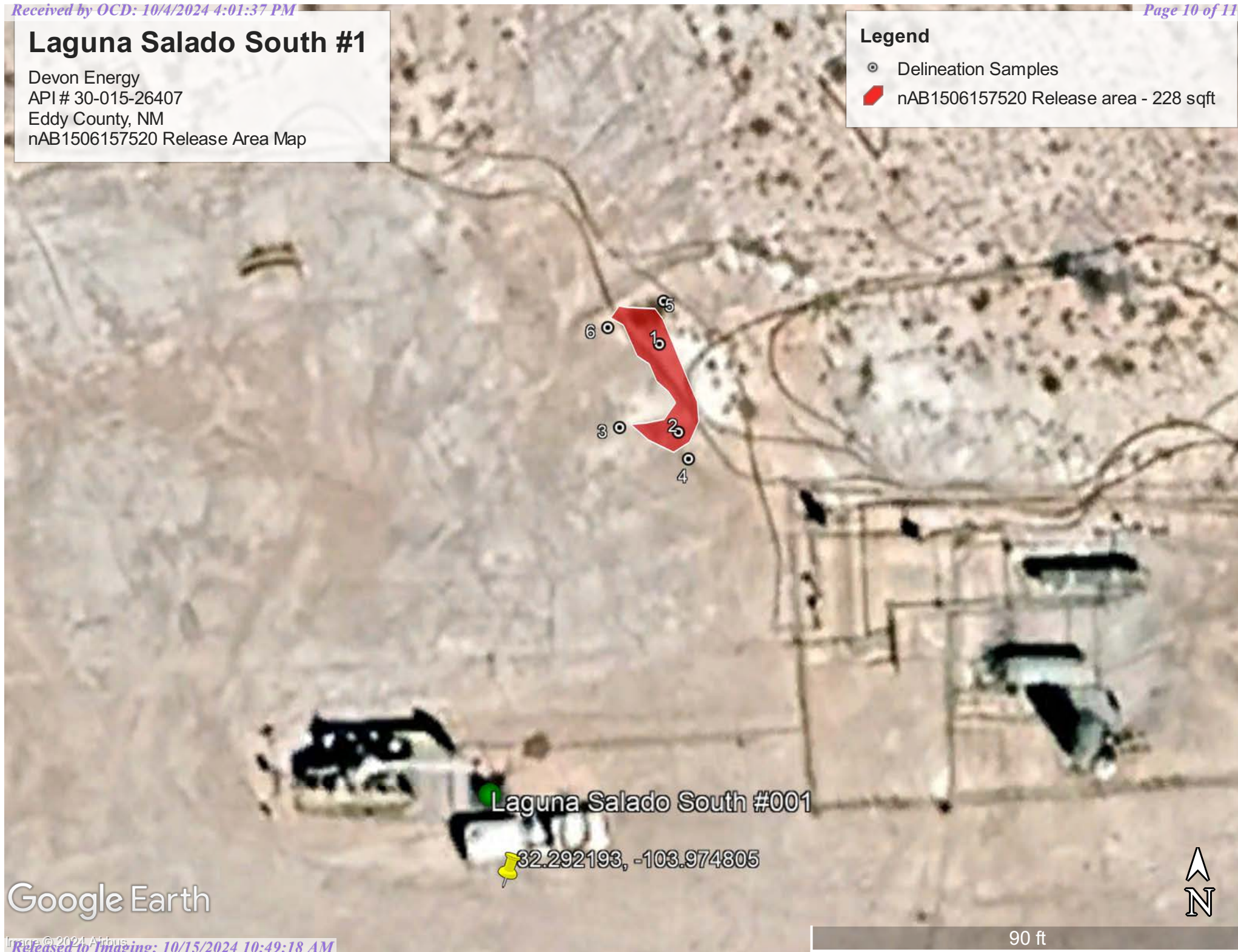
1 mi

Laguna Salado South #1

Devon Energy
API # 30-015-26407
Eddy County, NM
nAB1506157520 Release Area Map

Legend

- Delineation Samples
- nAB1506157520 Release area - 228 sqft






Google Earth

Laguna Salado South #1

Devon Energy
API # 30-015-26407
Eddy County, NM
nLLB0631140464
nAB1506157520
Background Sample Map

Legend

-  60 Yards
-  Background samples
-  Laguna Salado South #001

BC North

BC East

Google Earth

Laguna Salado South #001





200 ft

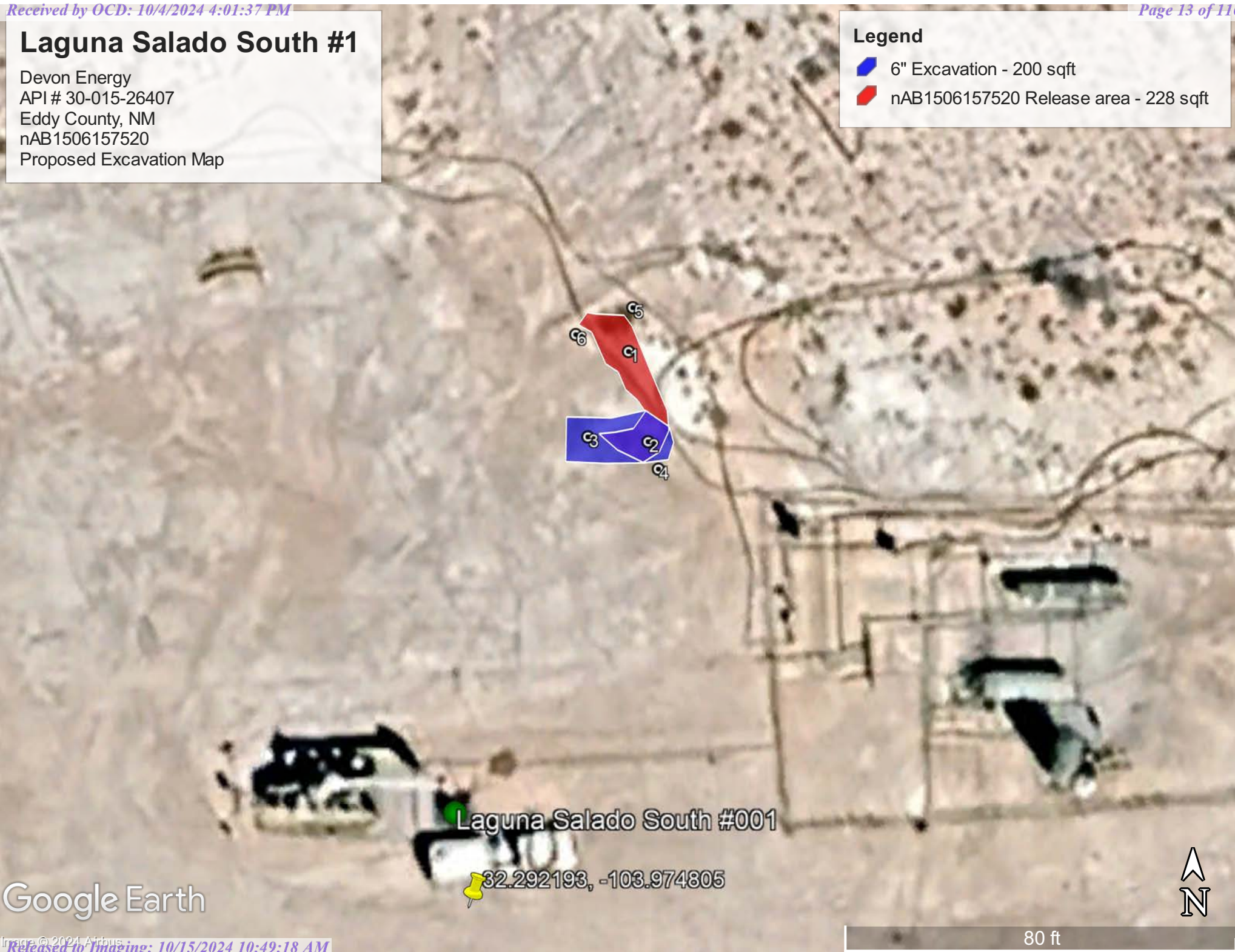
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
DEVON ENERGY - Laguna Salado South #1 - nAB1506157520								
Date: 9/13/24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	CI mg/kg
BG North-Surface	0'	ND	ND	ND	46.2	ND	46.2	16500
BG North-1'	1'	ND	ND	ND	ND	ND	0	14100
BG North-2'	2'	ND	ND	ND	ND	ND	0	13200
BG North-3'	3'	ND	ND	ND	ND	ND	0	13100
BG North-4'	4'	ND	ND	ND	ND	ND	0	12700
BG East-Surface	0'	ND	ND	ND	ND	ND	0	16300
BG East-1'	1'	ND	ND	ND	ND	ND	0	9850
BG East-2'	2'	ND	ND	ND	ND	ND	0	12900
BG East-3'	3'	ND	ND	ND	ND	ND	0	12900
BG East-4'	4'	ND	ND	ND	ND	ND	0	12500
1-Surface	0'	ND	ND	ND	ND	ND	0	13600
1-1'	1'	ND	ND	ND	ND	ND	0	4750
1-2'	2'	ND	ND	ND	ND	ND	0	11700
1-3'	3'	ND	ND	ND	ND	ND	0	12400
1-4'	4'	ND	ND	ND	ND	ND	0	12100
2-Surface	0'	0.216	ND	ND	109	163	272	15400
2-1'	1'	ND	ND	ND	ND	ND	0	8640
2-2'	2'	ND	ND	ND	ND	ND	0	11600
2-3'	3'	ND	ND	ND	ND	ND	0	8740
2-4'	4'	ND	ND	ND	ND	ND	0	11100
3-Surface	0'	0.202	ND	ND	64.9	73.7	138.6	14700
3-1'	1'	ND	ND	ND	ND	ND	0	16700
3-2'	2'	ND	ND	ND	ND	ND	0	14800
3-3'	3'	ND	ND	ND	ND	ND	0	15400
3-4'	4'	ND	ND	ND	ND	ND	0	15100
4-Surface	0'	ND	ND	ND	ND	ND	0	18500
4-1'	1'	ND	ND	ND	ND	ND	0	16200
4-2'	2'	ND	ND	ND	ND	ND	0	15300
4-3'	3'	ND	ND	ND	ND	ND	0	15500
4-4'	4'	ND	ND	ND	ND	ND	0	15700
5-Surface	0'	ND	ND	ND	25.8	ND	25.8	18500
5-1'	1'	ND	ND	ND	ND	ND	0	20200
5-2'	2'	ND	ND	ND	ND	ND	0	14900
5-3'	3'	ND	ND	ND	ND	ND	0	15100
5-4'	4'	ND	ND	ND	ND	ND	0	15700
6-Surface	0'	ND	ND	ND	ND	ND	0	19300
6-1'	1'	ND	ND	ND	ND	ND	0	19900
6-2'	2'	ND	ND	ND	ND	ND	0	15900
6-3'	3'	ND	ND	ND	ND	ND	0	15800
6-4'	4'	ND	ND	ND	ND	ND	0	16100

Laguna Salado South #1

Devon Energy
API # 30-015-26407
Eddy County, NM
nAB1506157520
Proposed Excavation Map

Legend

-  6" Excavation - 200 sqft
-  nAB1506157520 Release area - 228 sqft



Google Earth

Appendix A

Water Surveys

Water-Related Maps



New Mexico Office of the State Engineer

Water Column/Average Depth to Water

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

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

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

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

(In feet)

POD Number	Code	POD Sub-basin	County	Q 64	Q 16	Q 4	Q 4	Sec	Tws	Rng	X	Y	Distance	DepthWell	DepthWater	Water Column
C 02797		CUB	ED	2	3	22	23	S	29E		596540	3572895*	396	200		
C 02716		CUB	ED	4	4	4	16	23	S	29E	595818	3574002*	1007	400		
C 02715		CUB	ED	4	1	3	15	23	S	29E	596221	3574411*	1162	400		
C 02717		CUB	ED	4	2	4	16	23	S	29E	595817	3574407*	1325	400		
C 01217 S		CUB	ED	4	1	4	16	23	S	29E	595413	3574403*	1577	350		
C 02721		CUB	ED	2	3	21	23	S	29E		594915	3572879*	1669	150		
C 02720		CUB	ED	2	1	21	23	S	29E		594911	3573690*	1670	150		
C 02718		CUB	ED	4	4	2	16	23	S	29E	595816	3574812*	1680	400		
C 02707		C	ED		2	28	23	S	29E		595535	3571868*	1738	40	18	22
C 04326 POD14		CUB	ED	4	2	3	23	23	S	29E	598191	3572765	1739	58	54	4
C 04326 POD16		CUB	ED	2	4	3	23	23	S	29E	598209	3572664	1789	64	54	10
C 03057 EXPLORE		CUB	ED	4	1	1	21	23	S	29E	594605	3573586*	1950	150		
C 02808		CUB	ED	2	3	16	23	S	29E		594909	3574501*	2024	100		
C 02809		CUB	ED	2	3	16	23	S	29E		594909	3574501*	2024	100		
C 02613		CUB	ED	4	4	2	20	23	S	29E	594203	3573176*	2332	400		
C 02794		CUB	ED	4	3	10	23	S	29E		596518	3575731*	2439	100		
C 02795		CUB	ED	4	3	10	23	S	29E		596518	3575731*	2439	200		
C 01627		C	ED	1	4	4	28	23	S	29E	595649	3570959*	2494	170		
C 03058 EXPLORE		CUB	ED	4	1	1	16	23	S	29E	594605	3575206*	2716	150		

Average Depth to Water: **42 feet**

Minimum Depth: **18 feet**

Maximum Depth: **54 feet**

Record Count: 19

UTM NAD83 Radius Search (in meters):

Easting (X): 596532.98

Northing (Y): 3573291.66

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.

4/6/23 10:08 AM

WATER COLUMN/ AVERAGE DEPTH TO WATER



New Mexico Office of the State Engineer

Water Right Summary

WR File Number: C 02797 **Subbasin:** CUB **Cross Reference:** -
Primary Purpose: MON MONITORING WELL
Primary Status: PMT PERMIT
Total Acres: **Subfile:** - **Header:** -
Total Diversion: 0 **Cause/Case:** -
Owner: IMC
Contact: SCOTT VAIL

Documents on File

Trn #	Doc	File/Act	Status		Transaction Desc.	From/ To	Acres	Diversion	Consumptive
			1	2					
206342	EXPL	2001-02-02	PMT	APR	C 02797	T	0	0	

Current Points of Diversion

POD Number	Well Tag	Source	Q		X		Y		Other Location Desc
			64Q16Q4Sec	Tws Rng					
C 02797			2	3 22 23S 29E	596540	3572895*			

An () after northing value indicates UTM location was derived from PLSS - see Help

Source

Acres	Diversion	CU	Use	Priority	Source Description
0	0		MON		GW

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

7/18/24 7:51 AM

WATER RIGHT SUMMARY



New Mexico Office of the State Engineer

Transaction Summary

EXPL Permit To Explore

Transaction Number: 206342

Transaction Desc: C 02797

File Date: 02/02/2001

Primary Status: PMT Permit

Secondary Status: APR Approved

Person Assigned: *****

Applicant: IMC

Contact: SCOTT VAIL

Events

Date	Type	Description	Comment	Processed By
02/02/2001	APP	Application Received		*****
02/02/2001	FTN	Finalize non-published Trans.		*****

Water Right Information

WR File Nbr	Acres	Diversion	Consumptive	Purpose of Use
C 02797	0	0		MON MONITORING WELL

**Point of Diversion

C 02797	596540	3572895*	
---------	--------	----------	--

An () after northing value indicates UTM location was derived from PLSS - see Help

Conditions

- 4 No water shall be appropriated and beneficially used under this permit.
- 7 The Permittee shall utilize the highest and best technology available to ensure conservation of water to the maximum extent practical.
- B The well shall be drilled by a driller licensed in the State of New Mexico in accordance with Section 72-12-12 New Mexico Statutes Annotated.
- C Driller's well record must be filed with the State Engineer within 10 days after the well is drilled or driven. Well record forms will be provided by the State Engineer upon request.
- C2 No water shall be diverted from this well except for testing purposes which shall not exceed ten (10) cumulative days, and well shall be plugged or capped on or before , unless a permit to use water from this well is acquired from the Office of the State Engineer.
- G If artesian water is encountered, all rules and regulations pertaining to the drilling and casing of artesian wells shall be complied with.

Action of the State Engineer

** See Image For Any Additional Conditions of Approval **

Approval Code: A - Approved

Action Date: 02/02/2001

PCW Due Date: 02/02/2002

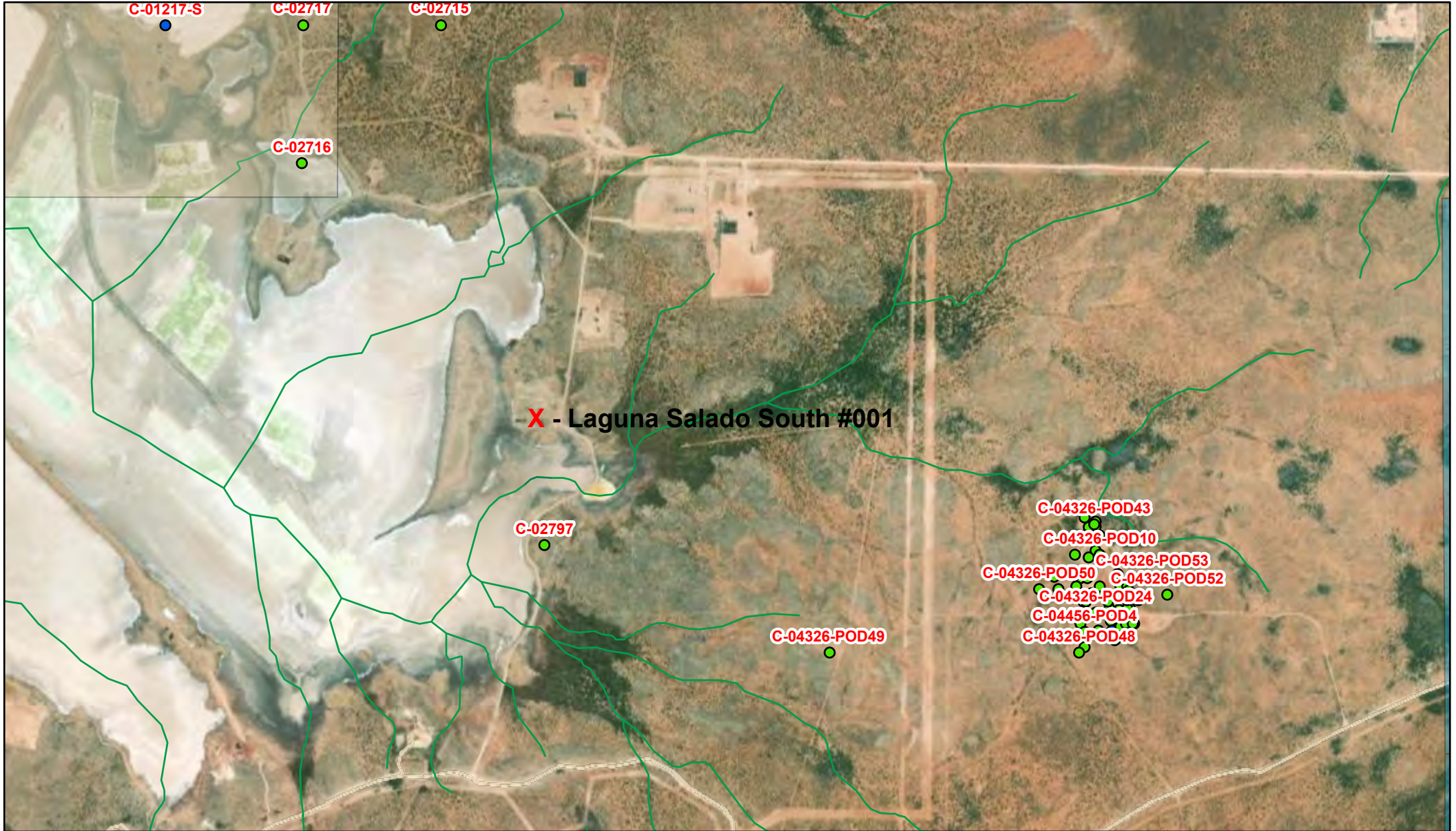
State Engineer: Thomas C. Turney

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

7/18/24 7:52 AM

TRANSACTION
SUMMARY

OSE POD Location Map



9/17/2024, 10:06:22 AM

GIS WATERS PODs

- Active
- Pending

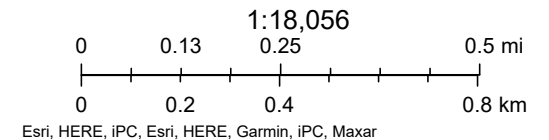
Water Right Regulations

- Artesian Planning Area
- New Mexico State Trust Lands
- Subsurface Estate

Both Estates

- NHD Flowlines
- Artificial Path
- Connector

Stream River





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National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

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

Groundwater levels for the Nation



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

Search Results -- 1 sites found

site_no list =

- 321717103561001

Minimum number of levels = 1

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

USGS 321717103561001 23S.29E.24.41321

Available data for this site

Groundwater: Field measurements

GO

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°17'17", Longitude 103°56'10" NAD27

Land-surface elevation 3,034 feet above NAVD88

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

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

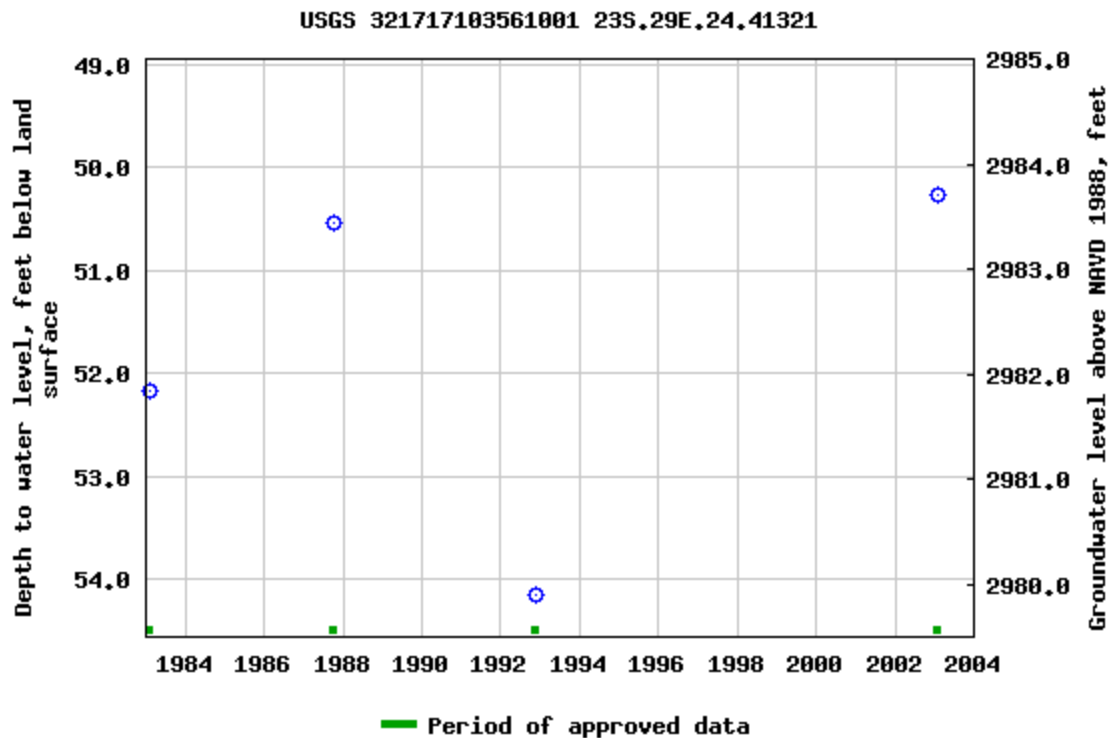
Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



Breaks in the plot represent a gap of at least one year between field measurements.
[Download a presentation-quality graph](#)

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

Title: Groundwater for USA: Water Levels

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



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

Page Last Modified: 2024-09-17 11:04:29 EDT

0.67 0.49 nadww02



USGS Home
Contact USGS
Search USGS

National Water Information System: Web Interface

USGS Water Resources

Data Category: Geographic Area:

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

Water Quality Samples for the Nation

i Discrete water samples data are undergoing modernization with this page no longer being updated with the latest data starting March 11, 2024 with a full decommission expected 6 months later. [Learn more about the upcoming change](#) and where to find the new samples data in our blog. To view additional data-quality attributes, output the results using these options: one result per row, expanded attributes.

USGS 322037103580901 22S.29E.34.3423 WIPP-29

Available data for this site

Eddy County, New Mexico

Hydrologic Unit Code 13060011

Latitude 32°20'39", Longitude 103°58'23" NAD27

Land-surface elevation 2,985 feet above NGVD29

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

Output formats

Parameter Group Period of Record table
Inventory of available water-quality data for printing
Inventory of water-quality data with retrieval
Tab-separated data, one result per row
Tab-separated data one sample per row with remark codes combined with values
Tab-separated data one sample per row with tab-delimiter for remark codes
Reselect output format

Sample Datetime	Time datum	Time datum reliability code	Sample Medium Code	Agency Collecting Sample, Code	Temperature, water, deg C (00010)	Agency analyzing sample, code (00028)	Specific conductance, wat unf uS/cm @ 25 degC (00095)	Chloride, water, fltrd, mg/L (00940)	Copper, water, fltrd, ug/L (01040)	Lead, water, fltrd, ug/L (01049)	Depth to top sample intrval feet below LSD (72015)	Depth to bot sample intrval feet below LSD (72016)
1980-03-18 14:00	MST	T	WG	USGS-WRD	19.5	80020	160000	49000	0.0	M	216.00	250.00
1980-08-20 12:00	MDT	T	WG	USGS-WRD	22.0	80020	180000	140000	M	300	10.00	45.00

Water Quality Remark Code	Description
M	Presence verified but not quantified

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[Explanation of terms](#)
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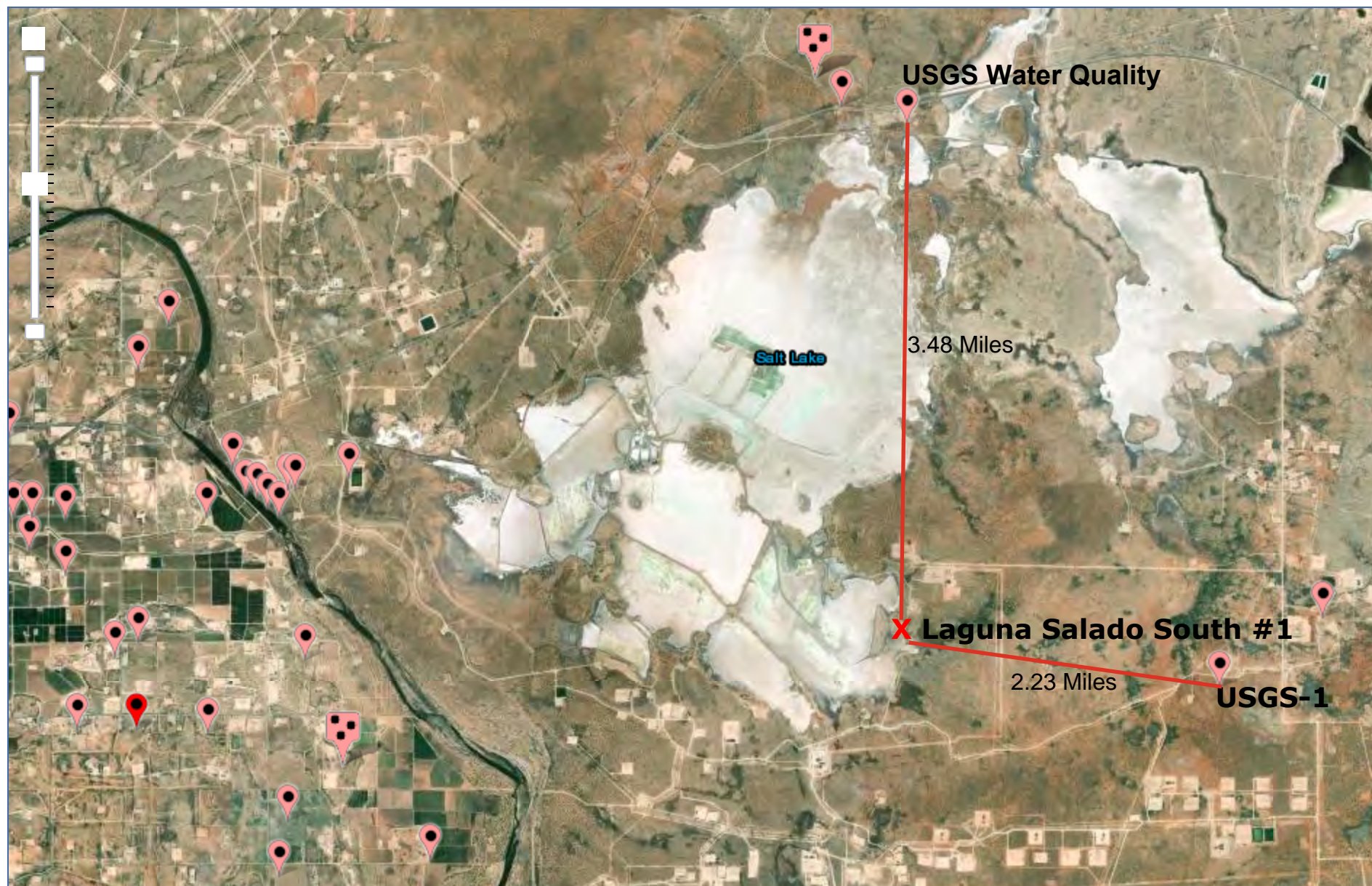
[Accessibility](#) [FOIA](#) [Privacy](#) [Policies and Notices](#)
[U.S. Department of the Interior](#) | [U.S. Geological Survey](#)
Title: Water Quality Samples for USA: Sample Data
URL: <https://nwis.waterdata.usgs.gov/nwis/qwdata?>



Page Contact Information: [USGS Water Data Support Team](#)
Page Last Modified: 2024-09-17 11:35:16 EDT
1.67 0.81 nadww01





National Water Information System: Mapper



Laguna Salado South #1

Devon Energy
API #30-015-26407
Eddy County, NM
nAB1506157520
Surface Water Map

Legend

-  311 Feet
-  Salt Mine Pond

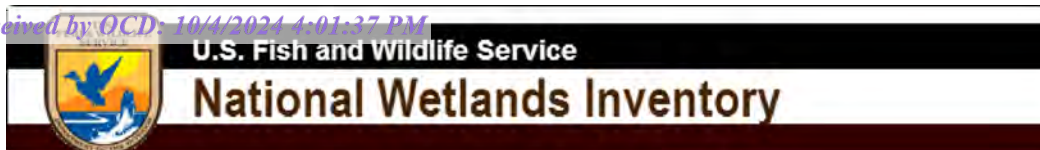
Salt Mine Pond

Laguna Salado South #001



700 ft

Google Earth



Wetlands Map



July 18, 2024

Wetlands

- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland

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

- Lake
- Other
- Riverine

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

National Flood Hazard Layer FIRMMette



103°58'48"W 32°17'46"N



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

1:6,000

103°58'10"W 32°17'15"N

Released to Imaging: 10/15/2024 10:49:18 AM

Basemap Imagery Source: USGS National Map 2023

Legend

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

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



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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 7/18/2024 at 9:55 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

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

Appendix B

Soil Survey

Soil Map

Geologic Unit Map

Map Unit Description: Cottonwood-Reeves loams, overflow, 0 to 3 percent slopes---Eddy Area,
New Mexico

Eddy Area, New Mexico

CR—Cottonwood-Reeves loams, overflow, 0 to 3 percent slopes

Map Unit Setting

National map unit symbol: 1w47
Elevation: 3,000 to 4,300 feet
Mean annual precipitation: 10 to 14 inches
Mean annual air temperature: 60 to 64 degrees F
Frost-free period: 200 to 220 days
Farmland classification: Not prime farmland

Map Unit Composition

Cottonwood and similar soils: 60 percent
Reeves and similar soils: 35 percent
Minor components: 5 percent
Estimates are based on observations, descriptions, and transects of the mapunit.

Description of Cottonwood

Setting

Landform: Ridges, 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 9 inches: loam
H2 - 9 to 60 inches: bedrock

Properties and qualities

Slope: 0 to 3 percent
Depth to restrictive feature: 3 to 12 inches to paralithic bedrock
Drainage class: Well drained
Runoff class: Low
Capacity of the most limiting layer to transmit water (Ksat): Moderately high to high (0.20 to 2.00 in/hr)
Depth to water table: More than 80 inches
Frequency of flooding: None
Frequency of ponding: None
Calcium carbonate, maximum content: 15 percent
Gypsum, maximum content: 20 percent
Maximum salinity: Moderately saline to strongly saline (8.0 to 16.0 mmhos/cm)
Sodium adsorption ratio, maximum: 1.0
Available water supply, 0 to 60 inches: Very low (about 1.4 inches)

Map Unit Description: Cottonwood-Reeves loams, overflow, 0 to 3 percent slopes---Eddy Area,
New Mexico

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6s

Hydrologic Soil Group: D

Ecological site: R070BB006NM - Gyp Upland

Hydric soil rating: No

Description of Reeves**Setting**

Landform: Plains, ridges, 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: loam

H2 - 8 to 32 inches: clay loam

H3 - 32 to 60 inches: gypsiferous material

Properties and qualities

Slope: 0 to 3 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: Occasional

Frequency of ponding: None

Calcium carbonate, maximum content: 25 percent

Gypsum, maximum content: 20 percent

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

Sodium adsorption ratio, maximum: 1.0

Available water supply, 0 to 60 inches: Low (about 4.7 inches)

Interpretive groups

Land capability classification (irrigated): None specified

Land capability classification (nonirrigated): 6w

Hydrologic Soil Group: B

Ecological site: R070BB006NM - Gyp Upland

Hydric soil rating: No

Minor Components**Unnamed soils**

Percent of map unit: 5 percent

Map Unit Description: Cottonwood-Reeves loams, overflow, 0 to 3 percent slopes---Eddy Area,
New Mexico

Hydric soil rating: No

Data Source Information

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil Map—Eddy Area, New Mexico



Natural Resources
Conservation Service


Web Soil Survey
National Cooperative Soil Survey

7/18/2024
Page 1 of 3

Soil Map—Eddy Area, New Mexico

MAP LEGEND

Area of Interest (AOI)

 Area of Interest (AOI)

Soils

 Soil Map Unit Polygons

 Soil Map Unit Lines

 Soil Map Unit Points

Special Point Features



Blowout



Borrow Pit



Clay Spot



Closed Depression



Gravel Pit



Gravelly Spot



Landfill



Lava Flow



Marsh or swamp



Mine or Quarry



Miscellaneous Water



Perennial Water



Rock Outcrop



Saline Spot



Sandy Spot



Severely Eroded Spot



Sinkhole



Slide or Slip



Sodic Spot



Spoil Area



Stony Spot



Very Stony Spot



Wet Spot



Other



Special Line Features

Water Features



Streams and Canals

Transportation



Rails



Interstate Highways



US Routes



Major Roads



Local Roads

Background



Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:20,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service

Web Soil Survey URL:

Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Eddy Area, New Mexico

Survey Area Data: Version 19, Sep 7, 2023

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: Feb 7, 2020—May 12, 2020

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.



Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
CR	Cottonwood-Reeves loams, overflow, 0 to 3 percent slopes	8.8	100.0%
Totals for Area of Interest		8.8	100.0%

Laguna Salado South #1

Devon Energy
API #30-015-26407
Eddy County, NM
nAB1506157520
Geologic Unit Map

Legend

-  Lacustrine and playa-lake deposits
-  Rustler Formation

Laguna Salado South #001

Google Earth



1000 ft

Appendix C

Initial 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

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

FEB 26 2015

Form C-141
Revised August 8, 2011

Submit 1 Copy to appropriate District Office in
conformance with 19.15.29 NMAC.

RECEIVED

Release Notification and Corrective Action

NAB1506157520

0137 OPERATOR

☒ Initial Report ☐ Final Report

Name of Company Devon Energy Production Company, LP	Contact Production Foreman; Joah Weidemann
Address PO Box 250 Artesia, NM 88211	Telephone No. 575-513-1528
Facility Name Laguna Salado South I	Facility Type Oil Well
Surface Owner: Federal	Mineral Owner: Federal
API No 30-015-26407	

LOCATION OF RELEASE

Unit Letter	Section	Township	Range	Feet from the	North/South Line	Feet from the	East/West Line	County
F	22	23S	29E	2030	North	1980	West	Eddy

Latitude: 32.2922560548116

Longitude: -103.974771533511

NATURE OF RELEASE

Type of Release Oil Spill	Volume of Release 8BBLS	Volume Recovered 8BBLS
Source of Release vent tank overflow	Date and Hour of Occurrence January 22, 2015 9:45 AM	Date and Hour of Discovery January 22, 2015 9:45 AM
Was Immediate Notice Given? <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> Not Required	If YES, To Whom? Jeff Robertson; BLM & Mike Bratcher; OCD	
By Whom? David Washington; Assistant Production Foreman	Date and Hour January 22, 2015 2:00 PM	
Was a Watercourse Reached? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	If YES, Volume Impacting the Watercourse N/A	
If a Watercourse was Impacted, Describe Fully.* N/A		
Describe Cause of Problem and Remedial Action Taken.* The 2" valve leading from the 1440# separator to the water tanks was closed causing the vent tank to run over. The valve was immediately open upon discovery of the release to prevent further release.		
Describe Area Affected and Cleanup Action Taken.* 6 of the 8 released BBLS of oil were contained within the lined secondary containment. 2 of the 8 BBLS of released oil overflowed from the secondary containment onto the well pad on the north side of the vent tank. The size of the affected area was approximately 15'x15'. A vacuum truck recovered all 8 BBLS of oil spilled.		
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to NMOCD 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 NMOCD marked as "Final Report" does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to ground water, surface water, human health or the environment. In addition, NMOCD 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.		
Signature: <u>Sandy Farley</u>	OIL CONSERVATION DIVISION	
Printed Name: Sandra Farley	Signed By <u>Mike Bratcher</u>	
Title: Field Admin Support	Approved by Environmental Specialist:	
E-mail Address: sandy.farley@dvn.com	Approval Date: <u>3/2/15</u>	Expiration Date: <u>NA</u>
Date: 01-23-2014 Phone: 575.746.5587	Conditions of Approval: Mitigation per O.C.D. Rules & Guidelines	
ATTACH REMEDIATION PROPOSAL NO		Attached <input type="checkbox"/>

* Attach Additional Sheets If Necessary

A. EN THAN: 4/2/15

2RP-2845

Bratcher, Mike, EMNRD

From: Harris, Jacqui <Jacqui.Harris@dvn.com>
Sent: Thursday, February 26, 2015 3:03 PM
To: Bratcher, Mike, EMNRD; Patterson, Heather, EMNRD
Cc: Singleton, Stacie
Subject: Laguna Salado South 1 Initial C-141
Attachments: Laguna Salado South 1 Spill 8BBLs 1.22.15 Initial C-141.pdf; Laguna Salado South 1 Spill 8BBLs 1.22.15 GIS Image.pdf; Laguna Salado South 1 Spill 8BBLs 1.22.15 pic 4 of 6.JPG; Laguna Salado South 1 Spill 8BBLs 1.22.15 pic 1 of 6.JPG; Laguna Salado South 1 Spill 8BBLs 1.22.15 pic 6 of 6.JPG; Laguna Salado South 1 Spill 8BBLs 1.22.15 pic 2 of 6.JPG; Laguna Salado South 1 Spill 8BBLs 1.22.15 pic 3 of 6.JPG; Laguna Salado South 1 Spill 8BBLs 1.22.15 pic 5 of 6.JPG

Mr. Bratcher,

Please find the attached C-141, GIS image, & pictures of the spill for the Laguna Salado South 1. This C-141 was sent inadvertently to the BLM only on 1-26-15. We deeply apologize for this oversight and will make sure that it does not happen again.

Thank you,

Jacqui Harris

Field Admin Support
A-Schedule
Devon Energy Corporation
PO Box 250
Artesia, New Mexico 88211
575-748-0191



Confidentiality Warning: This message and any attachments are intended only for the use of the intended recipient(s), are confidential, and may be privileged. If you are not the intended recipient, you are hereby notified that any review, retransmission, conversion to hard copy, copying, circulation or other use of all or any portion of this message and any attachments is strictly prohibited. If you are not the intended recipient, please notify the sender immediately by return e-mail, and delete this message and any attachments from your system.

District I

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

District II

811 S. First St., Artesia, NM 88210
Phone:(575) 748-1283 Fax:(575) 748-9720

District III

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

District IV

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

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

QUESTIONS

Action 382774

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 382774
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1506157520
Incident Name	NAB1506157520 LAGUNA SALADO SOUTH #001 @ 30-015-26407
Incident Type	Oil Release
Incident Status	Initial C-141 Approved
Incident Well	[30-015-26407] LAGUNA SALADO SOUTH #001

Location of Release Source	
Site Name	LAGUNA SALADO SOUTH #001
Date Release Discovered	01/22/2015
Surface Owner	Private

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	228
What is the estimated number of samples that will be gathered	40
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/13/2024
Time sampling will commence	04:30 PM
Please provide any information necessary for observers to contact samplers	Andrew Franco (806) 200-0054
Please provide any information necessary for navigation to sampling site	From the intersection of NM128 and Rawhide Road, travel south on Rawhide Rd for 4.1 miles, turn west on Rawhide Rd for 3.1 miles, turn north on lease road for 0.75 miles, turn west into location.

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

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

CONDITIONS

Action 382774

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 382774
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
wdale	Failure to notify the OCD of sampling events including any changes in date/time per the requirements of 19.15.29.12.D.(1).(a) NMAC, may result in the remediation closure samples not being accepted.	9/11/2024

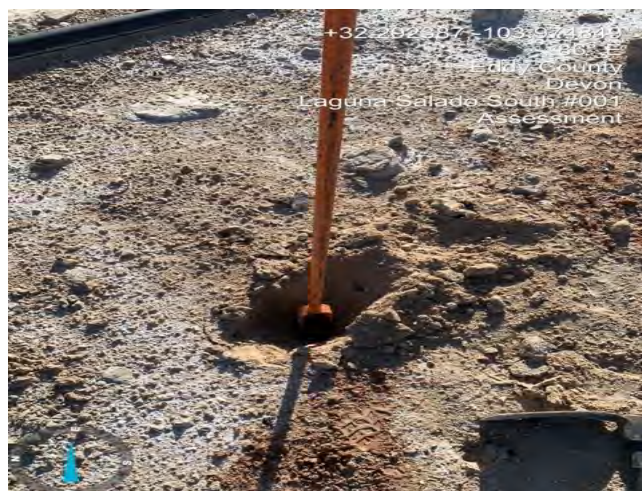
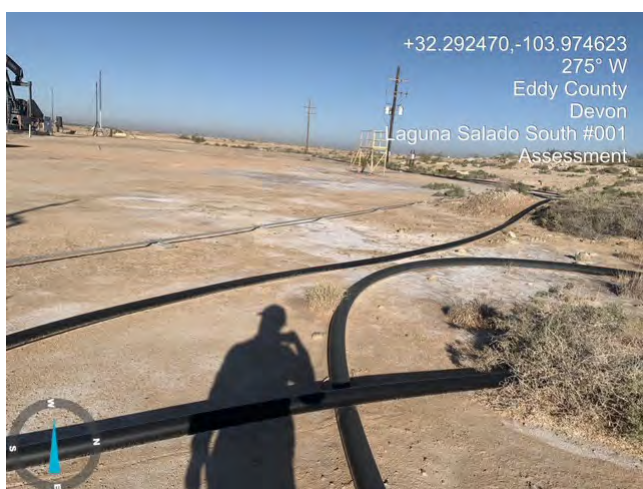
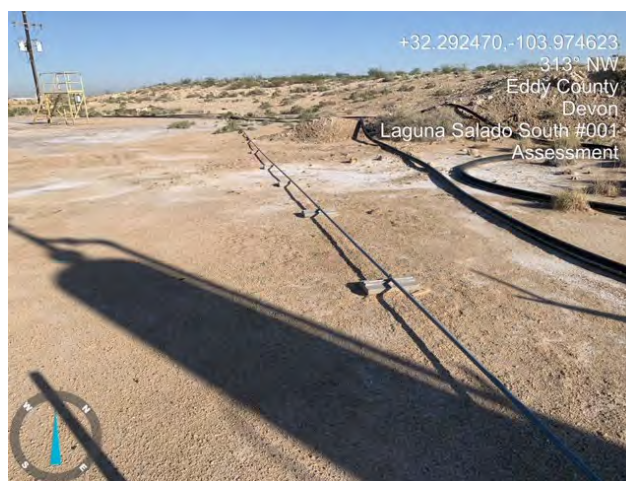
Appendix D

Photographic Documentation



Photographic Documentation
DEVON ENERGY PRODUCTION, LP
Laguna Salado South #001

Assessment Pictures September 2024







Appendix E

Laboratory Report

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Laguna Salado South #001

Work Order: E409125

Job Number: 01058-0007

Received: 9/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/19/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/19/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Laguna Salado South #001
Workorder: E409125
Date Received: 9/17/2024 5:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/17/2024 5:00:00AM, under the Project Name: Laguna Salado South #001.

The analytical test results summarized in this report with the Project Name: Laguna Salado South #001 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

Field Offices:

Southern New Mexico Area

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

Michelle Gonzales
Client Representative
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Cell: 505-947-8222
mgonzaless@envirotech-inc.com

Envirotech Web Address: www.envirotech-inc.com

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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/19/24 16:40

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
BG North - Surface	E409125-01A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
BG North - 1'	E409125-02A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
BG North - 2'	E409125-03A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
BG North - 3'	E409125-04A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
BG North - 4'	E409125-05A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
BG East - Surface	E409125-06A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
BG East - 1'	E409125-07A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
BG East - 2'	E409125-08A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
BG East - 3'	E409125-09A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
BG East - 4'	E409125-10A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
1-Surface	E409125-11A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
1-1'	E409125-12A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
1-2'	E409125-13A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
1-3'	E409125-14A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
1-4'	E409125-15A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
2-Surface	E409125-16A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
2-1'	E409125-17A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
2-2'	E409125-18A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
2-3'	E409125-19A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
2-4'	E409125-20A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

BG North - Surface

E409125-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/17/24	
Toluene	ND	0.0250	1	09/17/24	09/17/24	
o-Xylene	ND	0.0250	1	09/17/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/17/24	
Surrogate: Bromofluorobenzene	88.4 %	70-130		09/17/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		09/17/24	09/17/24	
Surrogate: Toluene-d8	98.2 %	70-130		09/17/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/17/24	
Surrogate: Bromofluorobenzene	88.4 %	70-130		09/17/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4	95.9 %	70-130		09/17/24	09/17/24	
Surrogate: Toluene-d8	98.2 %	70-130		09/17/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	46.2	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	90.2 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	16500	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

BG North - 1'

E409125-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/17/24	
Toluene	ND	0.0250	1	09/17/24	09/17/24	
o-Xylene	ND	0.0250	1	09/17/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/17/24	
Surrogate: Bromofluorobenzene	89.6 %	70-130		09/17/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		09/17/24	09/17/24	
Surrogate: Toluene-d8	99.3 %	70-130		09/17/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/17/24	
Surrogate: Bromofluorobenzene	89.6 %	70-130		09/17/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4	97.8 %	70-130		09/17/24	09/17/24	
Surrogate: Toluene-d8	99.3 %	70-130		09/17/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	88.0 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	14100	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

BG North - 2'

E409125-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/17/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/17/24	
Toluene	ND	0.0250	1	09/17/24	09/17/24	
o-Xylene	ND	0.0250	1	09/17/24	09/17/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/17/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/17/24	
Surrogate: Bromofluorobenzene	88.6 %	70-130		09/17/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		09/17/24	09/17/24	
Surrogate: Toluene-d8	97.1 %	70-130		09/17/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/17/24	
Surrogate: Bromofluorobenzene	88.6 %	70-130		09/17/24	09/17/24	
Surrogate: 1,2-Dichloroethane-d4	95.5 %	70-130		09/17/24	09/17/24	
Surrogate: Toluene-d8	97.1 %	70-130		09/17/24	09/17/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	87.4 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	13200	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

BG North - 3'

E409125-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	88.0 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.7 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	88.0 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	92.1 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.7 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	84.8 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	13100	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

BG North - 4'

E409125-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	86.7 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	99.1 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	86.7 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	92.8 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	99.1 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	85.3 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	12700	400	20	09/17/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/19/2024 4:40:07PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

BG East - Surface
E409125-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	89.5 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.0 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	89.5 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	92.7 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.0 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	84.7 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	16300	400	20	09/17/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Laguna Salado South #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/19/2024 4:40:07PM
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BG East - 1'
E409125-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	84.9 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	84.9 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	95.8 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	80.2 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	9850	200	10	09/17/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/19/2024 4:40:07PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

BG East - 2'
E409125-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.0 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	100 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.0 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.4 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	100 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	89.5 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	12900	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

BG East - 3'

E409125-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.2 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.2 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	94.4 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	86.3 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	12900	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

BG East - 4'

E409125-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	86.8 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	99.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	86.8 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.7 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	99.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	78.1 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	12500	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

1-Surface

E409125-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.2 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	91.0 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.0 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.2 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	91.0 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.0 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	79.3 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	13600	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

1-1'

E409125-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.3 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.6 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.3 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	92.9 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.6 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	79.1 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	4750	100	5	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

1-2'

E409125-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	88.4 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	91.4 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	88.4 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	91.4 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	82.6 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	11700	400	20	09/17/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/19/2024 4:40:07PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

1-3'

E409125-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg	Analyst: IY		Batch: 2438028	
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	88.5 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	96.6 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: IY		Batch: 2438028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	88.5 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	96.3 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	96.6 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438023	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	78.5 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438031	
Chloride	12400	400	20	09/17/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Laguna Salado South #001 Project Number: 01058-0007 Project Manager: Tom Bynum	Reported: 9/19/2024 4:40:07PM
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1-4'

E409125-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B	mg/kg	mg/kg	Analyst: IY		Batch: 2438028	
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.4 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	101 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: IY		Batch: 2438028	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.4 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	94.8 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	101 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438023	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	81.5 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438031	
Chloride	12100	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

2-Surface

E409125-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	0.0825	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	0.133	0.0500	1	09/17/24	09/18/24	
Total Xylenes	0.216	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	91.4 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	91.4 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.3 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	98.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	109	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	163	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	81.3 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	15400	1000	50	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

2-1'

E409125-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.0 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.9 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	87.0 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	97.0 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.9 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	70.8 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	8640	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

2-2'

E409125-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	89.4 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	89.4 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	93.7 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.3 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	86.4 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	11600	400	20	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

2-3'

E409125-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	85.1 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.2 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	85.1 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	94.6 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	97.2 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	59.2 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	8740	200	10	09/17/24	09/17/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/19/2024 4:40:07PM

2-4'

E409125-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organic Compounds by EPA 8260B						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	85.8 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	99.1 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: IY		Batch: 2438028
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: Bromofluorobenzene	85.8 %	70-130		09/17/24	09/18/24	
Surrogate: 1,2-Dichloroethane-d4	94.9 %	70-130		09/17/24	09/18/24	
Surrogate: Toluene-d8	99.1 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438023
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/18/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/18/24	
Surrogate: n-Nonane	69.1 %	50-200		09/17/24	09/18/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438031
Chloride	11100	400	20	09/17/24	09/17/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/19/2024 4:40:07PM

Volatile Organic Compounds by EPA 8260B

Analyst: IY

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

Blank (2438028-BLK1) Prepared: 09/17/24 Analyzed: 09/18/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: Bromofluorobenzene	0.438		0.500		87.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

LCS (2438028-BS1) Prepared: 09/17/24 Analyzed: 09/18/24

Benzene	2.07	0.0250	2.50		82.9	70-130			
Ethylbenzene	2.07	0.0250	2.50		82.7	70-130			
Toluene	2.21	0.0250	2.50		88.4	70-130			
o-Xylene	2.23	0.0250	2.50		89.1	70-130			
p,m-Xylene	4.46	0.0500	5.00		89.2	70-130			
Total Xylenes	6.69	0.0250	7.50		89.2	70-130			
Surrogate: Bromofluorobenzene	0.434		0.500		86.8	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.483		0.500		96.6	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			

Matrix Spike (2438028-MS1) Source: E409125-11 Prepared: 09/17/24 Analyzed: 09/18/24

Benzene	2.11	0.0250	2.50	ND	84.3	48-131			
Ethylbenzene	2.13	0.0250	2.50	ND	85.2	45-135			
Toluene	2.27	0.0250	2.50	ND	90.8	48-130			
o-Xylene	2.32	0.0250	2.50	ND	92.9	43-135			
p,m-Xylene	4.61	0.0500	5.00	ND	92.2	43-135			
Total Xylenes	6.93	0.0250	7.50	ND	92.4	43-135			
Surrogate: Bromofluorobenzene	0.441		0.500		88.1	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.495		0.500		99.0	70-130			
Surrogate: Toluene-d8	0.485		0.500		96.9	70-130			

Matrix Spike Dup (2438028-MSD1) Source: E409125-11 Prepared: 09/17/24 Analyzed: 09/18/24

Benzene	2.16	0.0250	2.50	ND	86.4	48-131	2.46	23	
Ethylbenzene	2.16	0.0250	2.50	ND	86.3	45-135	1.19	27	
Toluene	2.30	0.0250	2.50	ND	92.1	48-130	1.44	24	
o-Xylene	2.34	0.0250	2.50	ND	93.6	43-135	0.665	27	
p,m-Xylene	4.70	0.0500	5.00	ND	94.0	43-135	1.97	27	
Total Xylenes	7.04	0.0250	7.50	ND	93.9	43-135	1.53	27	
Surrogate: Bromofluorobenzene	0.453		0.500		90.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.504		0.500		101	70-130			
Surrogate: Toluene-d8	0.489		0.500		97.7	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/19/2024 4:40:07PM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

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 (2438028-BLK1) Prepared: 09/17/24 Analyzed: 09/18/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.438		0.500		87.6	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.484		0.500		96.8	70-130			
Surrogate: Toluene-d8	0.495		0.500		99.0	70-130			

LCS (2438028-BS2) Prepared: 09/17/24 Analyzed: 09/18/24

Gasoline Range Organics (C6-C10)	43.0	20.0	50.0		85.9	70-130			
Surrogate: Bromofluorobenzene	0.451		0.500		90.2	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.468		0.500		93.5	70-130			
Surrogate: Toluene-d8	0.496		0.500		99.1	70-130			

Matrix Spike (2438028-MS2) Source: E409125-11 Prepared: 09/17/24 Analyzed: 09/18/24

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.1	70-130			
Surrogate: Bromofluorobenzene	0.438		0.500		87.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.478		0.500		95.5	70-130			
Surrogate: Toluene-d8	0.497		0.500		99.4	70-130			

Matrix Spike Dup (2438028-MSD2) Source: E409125-11 Prepared: 09/17/24 Analyzed: 09/18/24

Gasoline Range Organics (C6-C10)	43.9	20.0	50.0	ND	87.9	70-130	3.20	20	
Surrogate: Bromofluorobenzene	0.448		0.500		89.5	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.470		0.500		93.9	70-130			
Surrogate: Toluene-d8	0.505		0.500		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/19/2024 4:40:07PM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438023-BLK1)					Prepared: 09/17/24 Analyzed: 09/18/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	46.5		50.0		93.0	50-200			

LCS (2438023-BS1)					Prepared: 09/17/24 Analyzed: 09/18/24				
Diesel Range Organics (C10-C28)	204	25.0	250		81.7	38-132			
Surrogate: n-Nonane	46.6		50.0		93.2	50-200			

Matrix Spike (2438023-MS1)					Source: E409125-03		Prepared: 09/17/24 Analyzed: 09/18/24		
Diesel Range Organics (C10-C28)	216	25.0	250	ND	86.6	38-132			
Surrogate: n-Nonane	46.6		50.0		93.2	50-200			

Matrix Spike Dup (2438023-MSD1)					Source: E409125-03		Prepared: 09/17/24 Analyzed: 09/18/24		
Diesel Range Organics (C10-C28)	219	25.0	250	ND	87.5	38-132	1.05	20	
Surrogate: n-Nonane	48.0		50.0		96.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/19/2024 4:40:07PM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2438031-BLK1)					Prepared: 09/17/24 Analyzed: 09/17/24				
Chloride	ND	20.0							
LCS (2438031-BS1)					Prepared: 09/17/24 Analyzed: 09/17/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2438031-MS1)					Source: E409125-07		Prepared: 09/17/24 Analyzed: 09/17/24		
Chloride	9250	200	250	9850	NR	80-120			M4
Matrix Spike Dup (2438031-MSD1)					Source: E409125-07		Prepared: 09/17/24 Analyzed: 09/17/24		
Chloride	10400	200	250	9850	209	80-120	11.4	20	M4

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:	Laguna Salado South #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/19/24 16:40

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. 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
- DNR Did not react with the addition of acid or base.

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

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



Client: Pima Environmental Services
 Project: Laguna Salado South #001
 Project Manager: Tom Bynum
 Address: 5614 N. Lovington Hwy.
 City, State, Zip Hobbs, NM, 88240
 Phone: 806-782-1151
 Email: tom@pimaoil.com
 Report due by:

Bill To
 Attention: Devon Energy
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 1-275-1 (nAB1506157520)

Lab Use Only				TAT				EPA Program	
Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
E 409125		01058-0007					X		
Analysis and Method									
DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0				
						BGDOC NM	BGDOC TX		
								State	
NM		CO		UT		AZ		TX	
X									
Remarks									

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				
8:30	9/13	S	1	BG North-Surface	1									X					
8:39				BG North-1'	2														
8:42				BG North-2'	3														
8:56				BG North-3'	4														
07				BG North-4'	5														
11				BG East-Surface	6														
20				BG East-1'	7														
36				BG East-2'	8														
47				BG East-3'	9														
56				BG East-4'	10														

Additional Instructions: Work Order/Billing: 21136158

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

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

Relinquished by: (Signature) Karina Adams	Date 8-16-24	Time 1345	Received by: (Signature) [Signature]	Date 8-16-24	Time 1345	Lab Use Only Received on ice: <input checked="" type="radio"/> Y / <input type="radio"/> N T1 _____ T2 _____ T3 _____ AVG Temp °C 4
Relinquished by: (Signature) [Signature]	Date 9-16-24	Time 1530	Received by: (Signature) [Signature]	Date 9-16-24	Time 1730	
Relinquished by: (Signature) [Signature]	Date 9-16-24	Time 2400	Received by: (Signature) [Signature]	Date 9-17-24	Time 0500	

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.

Client: Pima Environmental Services
 Project: Laguna Salado South #001
 Project Manager: Tom Bynum
 Address: 5614 N. Lovington Hwy.
 City, State, Zip: Hobbs, NM, 88240
 Phone: 806-782-1151
 Email: tom@pimaoil.com
 Report due by:

Bill To
 Attention: Devon Energy
 Address:
 City, State, Zip
 Phone:
 Email:
 Pima Project # 1-275-1 (nAB1506157520)

Lab Use Only				TAT				EPA Program	
Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA
E409125		01058-0007					X		
Analysis and Method								RCRA	
								State	
								NM	CO
								UT	AZ
								TX	
								Remarks	

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/GRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX						
10:17	9/13	S	1	1-Surface	11							X							
10:23				1-1'	12														
10:31				1-2'	13														
10:47				1-3'	14														
10:53				1-4'	15														
11:16				2-Surface	16														
11:21				2-1'	17														
11:33				2-2'	18														
11:44				2-3'	19														
11:51				2-4'	20														

Additional Instructions: Work Order/Billing: 21136158

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) Karime Adams Date 9-16-24 Time 1345 Received by: (Signature) [Signature] Date 9-16-24 Time 1345

Relinquished by: (Signature) [Signature] Date 9-16-24 Time 1530 Received by: (Signature) [Signature] Date 9-16-24 Time 1730

Relinquished by: (Signature) [Signature] Date 9-16-24 Time 2400 Received by: (Signature) [Signature] Date 9-17-24 Time 0500

Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____ Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

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

Envirotech Analytical Laboratory

Printed: 9/17/2024 9:08:22AM

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:	09/17/24 05:00	Work Order ID:	E409125
Phone:	(575) 631-6977	Date Logged In:	09/16/24 16:51	Logged In By:	Noe Soto
Email:	tom@pimaoil.com	Due Date:	09/23/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 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/Resolution

Sampled by name is missing on COC by client. Project Laguna Salado South #001 has been separated into multiple WO due to high sample volume, the WO are E409125-E409126. Signature dates corrected on COCs.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 - Sample ID? Yes
 - Date/Time Collected? Yes
 - Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:
Tom Bynum



envirotech

Practical Solutions for a Better Tomorrow

Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Laguna Salado South #001

Work Order: E409126

Job Number: 01058-0007

Received: 9/17/2024

Revision: 1

Report Reviewed By:

Walter Hinchman
Laboratory Director
9/23/24

5796 U.S. Hwy 64
Farmington, NM 87401

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



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

Date Reported: 9/23/24

Tom Bynum
PO Box 247
Plains, TX 79355-0247



Project Name: Laguna Salado South #001
Workorder: E409126
Date Received: 9/17/2024 5:00:00AM

Tom Bynum,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/17/2024 5:00:00AM, under the Project Name: Laguna Salado South #001.

The analytical test results summarized in this report with the Project Name: Laguna Salado South #001 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
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Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/23/24 11:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
3-Surface	E409126-01A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
3-1'	E409126-02A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
3-2'	E409126-03A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
3-3'	E409126-04A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
3-4'	E409126-05A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
4-Surface	E409126-06A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
4-1'	E409126-07A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
4-2'	E409126-08A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
4-3'	E409126-09A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
4-4'	E409126-10A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
5-Surface	E409126-11A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
5-1'	E409126-12A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
5-2'	E409126-13A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
5-3'	E409126-14A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
5-4'	E409126-15A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
6-Surface	E409126-16A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
6-1'	E409126-17A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
6-2'	E409126-18A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
6-3'	E409126-19A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.
6-4'	E409126-20A	Soil	09/13/24	09/17/24	Glass Jar, 2 oz.



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

3-Surface

E409126-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	0.0694	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	0.133	0.0500	1	09/17/24	09/19/24	
Total Xylenes	0.202	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		100 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.4 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	64.9	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	73.7	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
		73.2 %	50-200	09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	14700	1000	50	09/17/24	09/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/23/2024 11:27:51AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

3-1'

E409126-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
Surrogate: n-Nonane	77.4 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	16700	1000	50	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

3-2'

E409126-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
		81.9 %	50-200	09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	14800	400	20	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

3-3'

E409126-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.5 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
	80.9 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	15400	400	20	09/17/24	09/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/23/2024 11:27:51AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

3-4'

E409126-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	93.4 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
Surrogate: n-Nonane	99.4 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	15100	400	20	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

4-Surface

E409126-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438029
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg		Analyst: CG		Batch: 2438029
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.5 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg		Analyst: NV		Batch: 2438022
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
		70.3 %	50-200	09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg		Analyst: DT		Batch: 2438032
Chloride	18500	1000	50	09/17/24	09/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/23/2024 11:27:51AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

4-1'

E409126-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/18/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/18/24	
Toluene	ND	0.0250	1	09/17/24	09/18/24	
o-Xylene	ND	0.0250	1	09/17/24	09/18/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/18/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/18/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/18/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.7 %	70-130		09/17/24	09/18/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
Surrogate: n-Nonane	69.8 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	16200	1000	50	09/17/24	09/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/23/2024 11:27:51AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

4-2'

E409126-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.4 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
Surrogate: n-Nonane	72.1 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	15300	400	20	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

4-3'

E409126-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		91.9 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
		74.5 %	50-200	09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	15500	400	20	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

4-4'

E409126-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
	81.1 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	15700	400	20	09/17/24	09/17/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/23/2024 11:27:51AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

5-Surface

E409126-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	91.6 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	25.8	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
Surrogate: n-Nonane	75.1 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	18500	1000	50	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

5-1'

E409126-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.7 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
		79.2 %	50-200	09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	20200	1000	50	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

5-2'

E409126-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	100 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	92.2 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
	70.5 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	14900	400	20	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

5-3'

E409126-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.0 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
		162 %	50-200	09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	15100	400	20	09/17/24	09/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/23/2024 11:27:51AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

5-4'

E409126-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID	102 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.5 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
Surrogate: n-Nonane	76.4 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	15700	400	20	09/17/24	09/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/23/2024 11:27:51AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

6-Surface

E409126-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID	100 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.1 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
Surrogate: n-Nonane	69.3 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	19300	1000	50	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

6-1'

E409126-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	102 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	93.0 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
	71.7 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	19900	1000	50	09/17/24	09/18/24	



Sample Data

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

Project Name: Laguna Salado South #001
Project Number: 01058-0007
Project Manager: Tom Bynum

Reported:
9/23/2024 11:27:51AM

6-2'

E409126-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO						
	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		92.6 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO						
	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
<i>Surrogate: n-Nonane</i>						
		79.3 %	50-200	09/17/24	09/20/24	
Anions by EPA 300.0/9056A						
	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	15900	400	20	09/17/24	09/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/23/2024 11:27:51AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

6-3'

E409126-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID		102 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID		93.0 %	70-130	09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
Surrogate: n-Nonane		72.2 %	50-200	09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	15800	400	20	09/17/24	09/18/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported: 9/23/2024 11:27:51AM
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	

6-4'

E409126-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
Volatile Organics by EPA 8021B	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Benzene	ND	0.0250	1	09/17/24	09/19/24	
Ethylbenzene	ND	0.0250	1	09/17/24	09/19/24	
Toluene	ND	0.0250	1	09/17/24	09/19/24	
o-Xylene	ND	0.0250	1	09/17/24	09/19/24	
p,m-Xylene	ND	0.0500	1	09/17/24	09/19/24	
Total Xylenes	ND	0.0250	1	09/17/24	09/19/24	
Surrogate: 4-Bromochlorobenzene-PID	101 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - GRO	mg/kg	mg/kg	Analyst: CG		Batch: 2438029	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/17/24	09/19/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	92.8 %	70-130		09/17/24	09/19/24	
Nonhalogenated Organics by EPA 8015D - DRO/ORO	mg/kg	mg/kg	Analyst: NV		Batch: 2438022	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/17/24	09/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/17/24	09/20/24	
Surrogate: n-Nonane	87.5 %	50-200		09/17/24	09/20/24	
Anions by EPA 300.0/9056A	mg/kg	mg/kg	Analyst: DT		Batch: 2438032	
Chloride	16100	400	20	09/17/24	09/18/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/23/2024 11:27:51AM

Volatile Organics by EPA 8021B

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438029-BLK1) Prepared: 09/17/24 Analyzed: 09/18/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	8.00		8.00		100	70-130			

LCS (2438029-BS1) Prepared: 09/17/24 Analyzed: 09/18/24

Benzene	5.10	0.0250	5.00		102	70-130			
Ethylbenzene	4.93	0.0250	5.00		98.7	70-130			
Toluene	5.03	0.0250	5.00		101	70-130			
o-Xylene	4.94	0.0250	5.00		98.8	70-130			
p,m-Xylene	10.0	0.0500	10.0		100	70-130			
Total Xylenes	15.0	0.0250	15.0		99.8	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.96		8.00		99.5	70-130			

Matrix Spike (2438029-MS1) Source: E409126-07 Prepared: 09/17/24 Analyzed: 09/18/24

Benzene	5.02	0.0250	5.00	ND	100	54-133			
Ethylbenzene	4.80	0.0250	5.00	ND	96.0	61-133			
Toluene	4.93	0.0250	5.00	ND	98.6	61-130			
o-Xylene	4.84	0.0250	5.00	ND	96.8	63-131			
p,m-Xylene	9.77	0.0500	10.0	ND	97.7	63-131			
Total Xylenes	14.6	0.0250	15.0	ND	97.4	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.21		8.00		103	70-130			

Matrix Spike Dup (2438029-MSD1) Source: E409126-07 Prepared: 09/17/24 Analyzed: 09/18/24

Benzene	5.95	0.0250	5.00	ND	119	54-133	16.8	20	
Ethylbenzene	5.72	0.0250	5.00	ND	114	61-133	17.5	20	
Toluene	5.85	0.0250	5.00	ND	117	61-130	17.2	20	
o-Xylene	5.78	0.0250	5.00	ND	116	63-131	17.7	20	
p,m-Xylene	11.6	0.0500	10.0	ND	116	63-131	17.4	20	
Total Xylenes	17.4	0.0250	15.0	ND	116	63-131	17.5	20	
Surrogate: 4-Bromochlorobenzene-PID	8.18		8.00		102	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/23/2024 11:27:51AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: CG

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438029-BLK1) Prepared: 09/17/24 Analyzed: 09/18/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.45		8.00		93.1	70-130			

LCS (2438029-BS2) Prepared: 09/17/24 Analyzed: 09/18/24

Gasoline Range Organics (C6-C10)	38.2	20.0	50.0		76.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.57		8.00		94.7	70-130			

Matrix Spike (2438029-MS2) Source: E409126-07 Prepared: 09/17/24 Analyzed: 09/19/24

Gasoline Range Organics (C6-C10)	44.2	20.0	50.0	ND	88.3	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.63		8.00		95.4	70-130			

Matrix Spike Dup (2438029-MSD2) Source: E409126-07 Prepared: 09/17/24 Analyzed: 09/19/24

Gasoline Range Organics (C6-C10)	45.2	20.0	50.0	ND	90.3	70-130	2.25	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.50		8.00		93.8	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/23/2024 11:27:51AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: NV

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2438022-BLK1) Prepared: 09/17/24 Analyzed: 09/20/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	40.2		50.0		80.4	50-200			

LCS (2438022-BS1) Prepared: 09/17/24 Analyzed: 09/20/24

Diesel Range Organics (C10-C28)	189	25.0	250		75.5	38-132			
Surrogate: n-Nonane	45.9		50.0		91.9	50-200			

Matrix Spike (2438022-MS1) Source: E409126-02 Prepared: 09/17/24 Analyzed: 09/20/24

Diesel Range Organics (C10-C28)	184	25.0	250	ND	73.4	38-132			
Surrogate: n-Nonane	42.6		50.0		85.1	50-200			

Matrix Spike Dup (2438022-MSD1) Source: E409126-02 Prepared: 09/17/24 Analyzed: 09/20/24

Diesel Range Organics (C10-C28)	189	25.0	250	ND	75.8	38-132	3.12	20	
Surrogate: n-Nonane	42.5		50.0		85.0	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Laguna Salado South #001	Reported:
PO Box 247	Project Number:	01058-0007	
Plains TX, 79355-0247	Project Manager:	Tom Bynum	9/23/2024 11:27:51AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2438032-BLK1)					Prepared: 09/17/24 Analyzed: 09/17/24				
Chloride	ND	20.0							
LCS (2438032-BS1)					Prepared: 09/17/24 Analyzed: 09/17/24				
Chloride	256	20.0	250		102	90-110			
Matrix Spike (2438032-MS1)					Source: E409126-10		Prepared: 09/17/24 Analyzed: 09/17/24		
Chloride	16400	400	250	15700	279	80-120			M4
Matrix Spike Dup (2438032-MSD1)					Source: E409126-10		Prepared: 09/17/24 Analyzed: 09/17/24		
Chloride	15700	400	250	15700	NR	80-120	4.68	20	M4

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:	Laguna Salado South #001	
PO Box 247	Project Number:	01058-0007	Reported:
Plains TX, 79355-0247	Project Manager:	Tom Bynum	09/23/24 11:27

- M4 Matrix spike recovery value is suspect since the analyte concentration in the sample is disproportionate to the spike level. 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
- DNR Did not react with the addition of acid or base.

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

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

Client: Pima Environmental Services Project: Laguna Salado South #001 Project Manager: Tom Bynum Address: 5614 N. Lovington Hwy. City, State, Zip Hobbs, NM, 88240 Phone: 806-782-1151 Email: tom@pimaoil.com Report due by:					Bill To Attention: Devon Energy Address: City, State, Zip Phone: Email: Pima Project # 1-275-1 (nAB1506157520)					Lab Use Only Lab WO# E409126 Job Number 01058-0007 Analysis and Method					TAT 1D 2D 3D Standard X				EPA Program CWA SDWA RCRA	
															State NM CO UT AZ TX X				Remarks	
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							
2:00	9/13	S	1	3-Surface	1							X								
12:06				3-1'	2															
12:13				3-2'	3															
12:20				3-3'	4															
12:24				3-4'	5															
12:31				4-Surface	6															
12:43				4-1'	7															
12:55				4-2'	8															
12:57				4-3'	9															
12:59				4-4'	10															
Additional Instructions: Work Order/Billing: 21136158																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
Kariel Adams		8-16-24		1345		C. Ran		8-16-24		1345		Received on ice: <input checked="" type="checkbox"/> Y / N								
C. Ran		9-16-24		1530		Andrew Hobbs		9-16-24		1730		T1 T2 T3								
Andrew Hobbs		9-16-24		2400		Nigel R. Heel		9-17-24		0500		AVG Temp °C 4								
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.																				

Client: Pima Environmental Services					Bill To		Lab Use Only				TAT				EPA Program			
Project: Laguna Salado South #001					Attention: Devon Energy		Lab WO#		Job Number		1D	2D	3D	Standard	CWA	SDWA		
Project Manager: Tom Bynum					Address:		E 409126		01058-0007					X				
Address: 5614 N. Lovington Hwy.					City, State, Zip		Analysis and Method										RCRA	
City, State, Zip Hobbs, NM, 88240					Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0			BGDOC NM	BGDOC TX		
Phone: 806-782-1151					Email:													
Email: tom@pimaoil.com					Pima Project # 1-275-1 (nAB1506157520)													
Report due by:																		
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	Remarks												
1:16	9/13	S	1	5-Surface	11													
1:23				5-1'	12													
1:35				5-2'	13													
1:41				5-3'	14													
1:47				5-4'	15													
1:49				6-Surface	16													
1:50				6-1'	17													
1:56				6-2'	18													
1:59				6-3'	19													
2:00				6-4'	20													

Additional Instructions:				Work Order/Billing: 21136158			
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.				Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.			
Relinquished by: (Signature)		Date		Time		Received by: (Signature)	
Farine A. J. J.		8-16-24		1345		8-16-24	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)	
J. J. J.		9-16-24		1530		9-16-24	
Relinquished by: (Signature)		Date		Time		Received by: (Signature)	
J. J. J.		9-16-24		2400		9-17-24	
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.							

Lab Use Only			
Received on ice: Y/ N			
T1	T2	T3	
AVG Temp °C 4			

Envirotech Analytical Laboratory

Printed: 9/17/2024 9:09:28AM

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:	09/17/24 05:00	Work Order ID:	E409126
Phone:	(575) 631-6977	Date Logged In:	09/16/24 16:53	Logged In By:	Noe Soto
Email:	tom@pimaoil.com	Due Date:	09/23/24 17:00 (4 day TAT)		

Chain of Custody (COC)

1. Does the sample ID match the COC? Yes
2. Does the number of samples per sampling site location match the COC? Yes
3. Were samples dropped off by client or carrier? Yes
4. Was the COC complete, i.e., signatures, dates/times, requested analyses? 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/Resolution

Sampled by name is missing on COC by client. Project Laguna Salado South #001 has been separated into multiple WO due to high sample volume, the WO are E409125-E409126. Signature dates corrected on COCs.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
Sample ID? Yes
Date/Time Collected? Yes
Collectors name? No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

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

QUESTIONS

Action 390175

QUESTIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:
	6137
	Action Number:
	390175
Action Type:	
[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)	

QUESTIONS

Prerequisites	
Incident ID (n#)	nAB1506157520
Incident Name	NAB1506157520 LAGUNA SALADO SOUTH #001 @ 30-015-26407
Incident Type	Oil Release
Incident Status	Remediation Plan Received
Incident Well	[30-015-26407] LAGUNA SALADO SOUTH #001

Location of Release Source	
Please answer all the questions in this group.	
Site Name	LAGUNA SALADO SOUTH #001
Date Release Discovered	01/22/2015
Surface Owner	Private

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

Nature and Volume of Release	
Material(s) released, please answer all that apply below. Any calculations or specific justifications for the volumes provided should be attached to the follow-up C-141 submission.	
Crude Oil Released (bbls) Details	Cause: Equipment Failure Valve Crude Oil Released: 8 BBL Recovered: 8 BBL Lost: 0 BBL.
Produced Water Released (bbls) Details	Not answered.
Is the concentration of chloride in the produced water >10,000 mg/l	Not answered.
Condensate Released (bbls) Details	Not answered.
Natural Gas Vented (Mcf) Details	Not answered.
Natural Gas Flared (Mcf) Details	Not answered.
Other Released Details	Not answered.
Are there additional details for the questions above (i.e. any answer containing Other, Specify, Unknown, and/or Fire, or any negative lost amounts)	Not answered.

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QUESTIONS, Page 2

Action 390175

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	390175
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Nature and Volume of Release (continued)	
Is this a gas only submission (i.e. only significant Mcf values reported)	No, according to supplied volumes this does not appear to be a "gas only" report.
Was this a major release as defined by Subsection A of 19.15.29.7 NMAC	No
Reasons why this would be considered a submission for a notification of a major release	Unavailable.
With the implementation of the 19.15.27 NMAC (05/25/2021), venting and/or flaring of natural gas (i.e. gas only) are to be submitted on the C-129 form.	

Initial Response

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

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

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

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

I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmv.com Date: 10/04/2024
--	--

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QUESTIONS, Page 3

Action 390175

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390175
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS**Site Characterization**

Please answer all the questions in this group (only required when seeking remediation plan approval and beyond). This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

What is the shallowest depth to groundwater beneath the area affected by the release in feet below ground surface (ft bgs)	Between 26 and 50 (ft.)
What method was used to determine the depth to ground water	U.S. Geological Survey
Did this release impact groundwater or surface water	No
What is the minimum distance, between the closest lateral extents of the release and the following surface areas:	
A continuously flowing watercourse or any other significant watercourse	Between 300 and 500 (ft.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Between 300 and 500 (ft.)
An occupied permanent residence, school, hospital, institution, or church	Between 1 and 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Between 1 and 5 (mi.)
Any other fresh water well or spring	Between 1 and 5 (mi.)
Incorporated municipal boundaries or a defined municipal fresh water well field	Greater than 5 (mi.)
A wetland	Between 1 and 5 (mi.)
A subsurface mine	Greater than 5 (mi.)
An (non-karst) unstable area	Greater than 5 (mi.)
Categorize the risk of this well / site being in a karst geology	Medium
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

Remediation Plan

Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.

Requesting a remediation plan approval with this submission	Yes
---	-----

Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.

Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No

Soil Contamination Sampling: (Provide the highest observable value for each, in milligrams per kilograms.)

Chloride (EPA 300.0 or SM4500 Cl B)	20200
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	272
GRO+DRO (EPA SW-846 Method 8015M)	109
BTEX (EPA SW-846 Method 8021B or 8260B)	0.2
Benzene (EPA SW-846 Method 8021B or 8260B)	0

Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.

On what estimated date will the remediation commence	10/28/2024
On what date will (or did) the final sampling or liner inspection occur	10/29/2024
On what date will (or was) the remediation complete(d)	11/01/2024
What is the estimated surface area (in square feet) that will be reclaimed	200
What is the estimated volume (in cubic yards) that will be reclaimed	4
What is the estimated surface area (in square feet) that will be remediated	200
What is the estimated volume (in cubic yards) that will be remediated	4

These estimated dates and measurements are recognized to be the best guess or calculation at the time of submission and may (be) change(d) over time as more remediation efforts are completed.

The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.

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QUESTIONS, Page 4

Action 390175

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID:	6137
	Action Number:	390175
	Action Type:	[C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Remediation Plan (continued)	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and off-site disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for off-site disposal	LEA LAND LANDFILL [fEEM0112342028]
OR which OCD approved well (API) will be used for off-site disposal	Not answered.
OR is the off-site disposal site, to be used, out-of-state	Not answered.
OR is the off-site disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and on-site remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Dale Woodall Title: EHS Professional Email: Dale.Woodall@dmn.com Date: 10/04/2024
<i>The OCD recognizes that proposed remediation measures may have to be minimally adjusted in accordance with the physical realities encountered during remediation. If the responsible party has any need to significantly deviate from the remediation plan proposed, then it should consult with the division to determine if another remediation plan submission is required.</i>	

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QUESTIONS, Page 5

Action 390175

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390175
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Deferral Requests Only	
Only answer the questions in this group if seeking a deferral upon approval this submission. Each of the following items must be confirmed as part of any request for deferral of remediation.	
Requesting a deferral of the remediation closure due date with the approval of this submission	No

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QUESTIONS, Page 6

Action 390175

QUESTIONS (continued)

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390175
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Sampling Event Information	
Last sampling notification (C-141N) recorded	382774
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/13/2024
What was the (estimated) number of samples that were to be gathered	40
What was the sampling surface area in square feet	228

Remediation Closure Request	
Only answer the questions in this group if seeking remediation closure for this release because all remediation steps have been completed.	
Requesting a remediation closure approval with this submission	No

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CONDITIONS

Action 390175

CONDITIONS

Operator: DEVON ENERGY PRODUCTION COMPANY, LP 333 West Sheridan Ave. Oklahoma City, OK 73102	OGRID: 6137
	Action Number: 390175
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

CONDITIONS

Created By	Condition	Condition Date
scwells	Remediation plan approved. Submit confirmation samples to be tested for all Table 1 constituents. Due to the presence of hydrocarbons in BG North-Surface, further investigation is warranted in this location. Submit remediation closure report to the OCD by 1/13/2025.	10/15/2024