

**Ridgeway Arizona Oil Corp.  
575 N. Dairy Ashford  
Suite 210  
Houston, TX 77079**

December 16, 2024

NMOCD District 1  
1625 N French Dr.  
Hobbs, NM, 88240

**RE: Site Assessment and Remediation Work Plan  
Shell 35 Federal Battery  
NMOCD Reference No. NAPP2421946322  
GPS: Latitude 33.6654 Longitude -103.6446  
UL "E", Section 35, Township 07S, Range 32E,  
Roosevelt County, NM**

Ridgeway Arizona Oil Corp. (Ridgeway) has contracted Pima Environmental Services, LLC (Pima) to perform a site assessment and prepare this remediation work plan, for a crude oil and produced water release at the Shell 35 Federal Battery (Shell). This incident was assigned Incident ID NAPP2421946322, by the New Mexico Oil Conservation Division (NMOCD).

**Site Information and Site Characterization**

The Shell 35 Federal Battery is located approximately fourteen (14) miles southeast of Kenna, NM. This spill site is in Unit E, Section 35, Township 07S, Range 32E, Latitude 33.6654 Longitude -103.6446, Roosevelt 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 Includes older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region. The soil in this area is made up of Jalmar, Amarose, and Vestwells, having 1 to 3 percent slopes according to the United States Department of Agriculture Natural Resources Conservation Service soil survey (Appendix B). The drainage courses in this area are well drained. There is a low potential for karst geology to be present around the Shell (Figure 3).

According to the New Mexico Office of the State Engineer, depth to the nearest groundwater in this area is 160 feet below grade surface (BGS). According to the United States Geological Survey well water data, depth to the nearest groundwater in this area is 166 feet BGS. See Appendix A for referenced water surveys.

**Table 1 NMAC and Closure Criteria 19.15.29**

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

Reference Figure 2 for a Topographic Map.

**Release Information**

**NAPP2421946322:** On August 05, 2024, it was discovered that an equipment failure had occurred on the production tank releasing 40 bbls of produced water and 3 bbls of crude oil. A vacuum truck was called and was able to recover 17 bbls of standing fluid.

**Site Assessment**

On September 24, 2024, Pima mobilized personnel to perform a site assessment and collect soil samples. Grab soil samples were collected around the impacted area utilizing a hand auger. The laboratory results from this sampling event can be found in the following data table. A Site Map can be found in Figure 4.

9-24-2024 Soil Sample Results								
NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Ridgeway Shell 35 Federal Battery								
Date: 9-24-24		NM Approved Laboratory Results						
Sample ID	Depth (BGS)	BTEX mg/kg	Benzene mg/kg	GRO mg/kg	DRO mg/kg	MRO mg/kg	Total TPH mg/kg	Cl mg/kg
S1	1'	ND	ND	ND	ND	ND	ND	10200
	2'	ND	ND	ND	ND	ND	ND	14000
	3'	ND	ND	ND	ND	ND	ND	12800
	4'	ND	ND	ND	ND	ND	ND	8660
S2	1'	ND	ND	ND	30.3	60.7	91	11000
	2'	ND	ND	ND	ND	ND	ND	8240
	3'	ND	ND	ND	ND	ND	ND	7630
	4'	ND	ND	ND	ND	ND	ND	6240
S3	1'	ND	ND	ND	ND	ND	ND	13200
	2'	ND	ND	ND	ND	ND	ND	12200
	3'	ND	ND	ND	ND	ND	ND	7860
	4'	ND	ND	ND	ND	ND	ND	6090
S4	1'	ND	ND	ND	38.6	59.4	98	12300
	2'	ND	ND	ND	ND	ND	ND	6330
	3'	ND	ND	ND	ND	ND	ND	4930
	4'	ND	ND	ND	ND	ND	ND	444
S5	1'	ND	ND	ND	ND	ND	ND	ND
	2'	ND	ND	ND	ND	ND	ND	ND
	3'	ND	ND	ND	ND	ND	ND	22.5
	4'	ND	ND	ND	ND	ND	ND	34.3
S6	1'	16.2	ND	232	15900	7120	23268.2	10800
	2'	0.269	ND	ND	898	936	1834.269	4010
	3'	ND	ND	ND	ND	ND	ND	7660
	4'	ND	ND	ND	ND	ND	ND	488
S7	1'	ND	ND	ND	ND	ND	ND	14400
	2'	ND	ND	ND	54.5	ND	54.5	464
	3'	ND	ND	ND	ND	ND	ND	8910
	4'	ND	ND	ND	210	176	386	940
S8	1'	ND	ND	ND	ND	ND	ND	10100
	2'	ND	ND	ND	ND	ND	ND	432
	3'	ND	ND	ND	ND	ND	ND	13400
	4'	ND	ND	ND	169	146	315	968

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Ridgeway Shell 35 Federal Battery								
Date: 9-24-24		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
S9	1'	0.564	ND	43.7	14900	8330	23274.264	1800
	2'	ND	ND	ND	27	77.8	104.8	464
	3'	ND	ND	ND	34.1	ND	34.1	358
	4'	ND	ND	ND	54.1	ND	54.1	8790
S10	1'	1.22	ND	65.8	15900	8320	24287.02	2090
	2'	ND	ND	ND	57.8	137	194.8	456
	3'	0.0281	ND	ND	3250	2700	5950.0281	3420
	4'	ND	ND	ND	304	486	790	2380
S11	1'	ND	ND	ND	ND	ND	ND	7940
	2'	ND	ND	ND	ND	ND	ND	2010
	3'	ND	ND	ND	ND	ND	ND	2520
	4'	ND	ND	ND	32.1	ND	32.1	8590
S12	1'	ND	ND	ND	593	1510	2103	1610
	2'	0.31	ND	ND	6990	5730	12720.31	426
	3'	ND	ND	ND	ND	ND	ND	26.8
	4'	ND	ND	ND	884	706	1590	872
S13	1'	ND	ND	ND	311	707	1018	1350
	2'	0.341	ND	ND	6550	5810	12360.341	395
	3'	ND	ND	ND	ND	ND	ND	20.5
	4'	ND	ND	ND	1580	1430	3010	847
S14	1'	ND	ND	ND	528	1320	1848	1350
	2'	0.214	ND	ND	3940	3310	7250.214	435
	3'	ND	ND	ND	ND	ND	ND	29
	4'	ND	ND	ND	176	172	348	919
SW1	0-4' COMP	ND	ND	ND	ND	ND	ND	ND
SW2	0-4' COMP	ND	ND	ND	ND	ND	ND	ND
SW3	0-4' COMP	ND	ND	ND	ND	ND	ND	39.4
SW4	0-4' COMP	ND	ND	ND	ND	ND	ND	ND
SW5	0-4' COMP	ND	ND	ND	ND	ND	ND	ND
SW6	0-4' COMP	ND	ND	ND	ND	ND	ND	20.1
BG1	comp	ND	ND	ND	ND	ND	ND	ND

ND/0- Analyte Not Detected

Pima returned to the Shell on November 15, 2024, to collect additional samples in an effort to achieve full delineation. Samples were collected from S1-S3 & S7-S14 at 5' and 6' bgs. The laboratory results from this sampling event can be found in the following data table. A Delineation Sample Map can be found in Figure 5.

## 11-15-2024 Soil Sample Results

NMOCD Table 1 Closure Criteria 19.15.29 NMAC (Depth to Groundwater is <50')								
Ridgeway Shell 35 Federal Battery								
Date: 11-15-24		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
S1	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	195
S2	5'	ND	ND	ND	33.9	ND	33.9	ND
	6'	ND	ND	ND	ND	ND	ND	77.2
S3	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	68.1
S7	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	58
S8	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	61.6
S9	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	59.4
S10	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	57.9
S11	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	57
S12	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	75.7
S13	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	58.2
S14	5'	ND	ND	ND	ND	ND	ND	ND
	6'	ND	ND	ND	ND	ND	ND	60.8

ND/0- Analyte Not Detected

Based on the sampling results, S4, S6, & S7-S14 came back over the regulatory limits per Table 1 19.15.29.12 NMAC and require further remediation.

**Remediation Work Plan**

On behalf of Ridgeway, Pima proposes to remediate this area by the following method:

1. Submit a one-call through the NM811 system.
2. The estimated volume of soil to be remediated from S4 & S6 is based on a 400 square foot total at an average depth of 3 1/2' bgs, totaling approximately 52 cubic yards.
3. The estimated volume of soil to be remediated from S1- S3 & S7-S14 is based on a 2,200 square foot total at an average depth of 4 1/2' bgs, approximately 367 cubic yards.
4. We propose to excavate the affected area using mechanical and hand equipment until sample results are verified to be under the regulatory limits per the less than 50-foot depth to groundwater requirement in Table 1 19.15.29.12 NMAC. All contaminated soil will be disposed of at an NMOCD-approved facility. A Proposed Excavation Map can be found in Figure 6.



5. After Ridgeway submits a 48-hour notification, we will collect 5-point composite samples from the excavated areas. These sample points will consist of base samples from the excavated areas, and sidewall samples from the walls of each excavation. Confirmation samples will be composite samples representing no more than 200 square feet.
6. Upon final receipt of lab reports showing contamination levels are under the regulatory limits of Table 1 NMAC 19.15.29, the excavation will be backfilled with clean, like material, and a remediation closure report will be drafted and submitted to the NMOCD portal for review and approval.
7. Work will commence within 30 days of approval of this work plan by NMOCD and will be completed within 30 days after the start of construction.

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

Ridgeway Arizona Oil Corp – Charles Hinojosa – 713-574-7912 or [chinojosa@pedevco.com](mailto:chinojosa@pedevco.com).

Pima Environmental – DelRae Geller – 806-724-5391 or [delrae@pimaoil.com](mailto:delrae@pimaoil.com).

### **Attachments**

Figures:

- 1- Location Map
- 2- Topographic Map
- 3- Karst Map
- 4- Site Map
- 5- Delineation Map
- 6- Proposed Excavation Map

Appendices:

- Appendix A – Referenced Water Surveys
- Appendix B – Soil Survey and Geological Data
- Appendix C – Photographic Documentation
- Appendix D – Laboratory Reports

## Figures:

Figure 1- Location Map

Figure 2- Topographic Map

Figure 3- Karst Map

Figure 4- Site Map

Figure 5- Delineation Map



Figure 6- Proposed Excavation Map

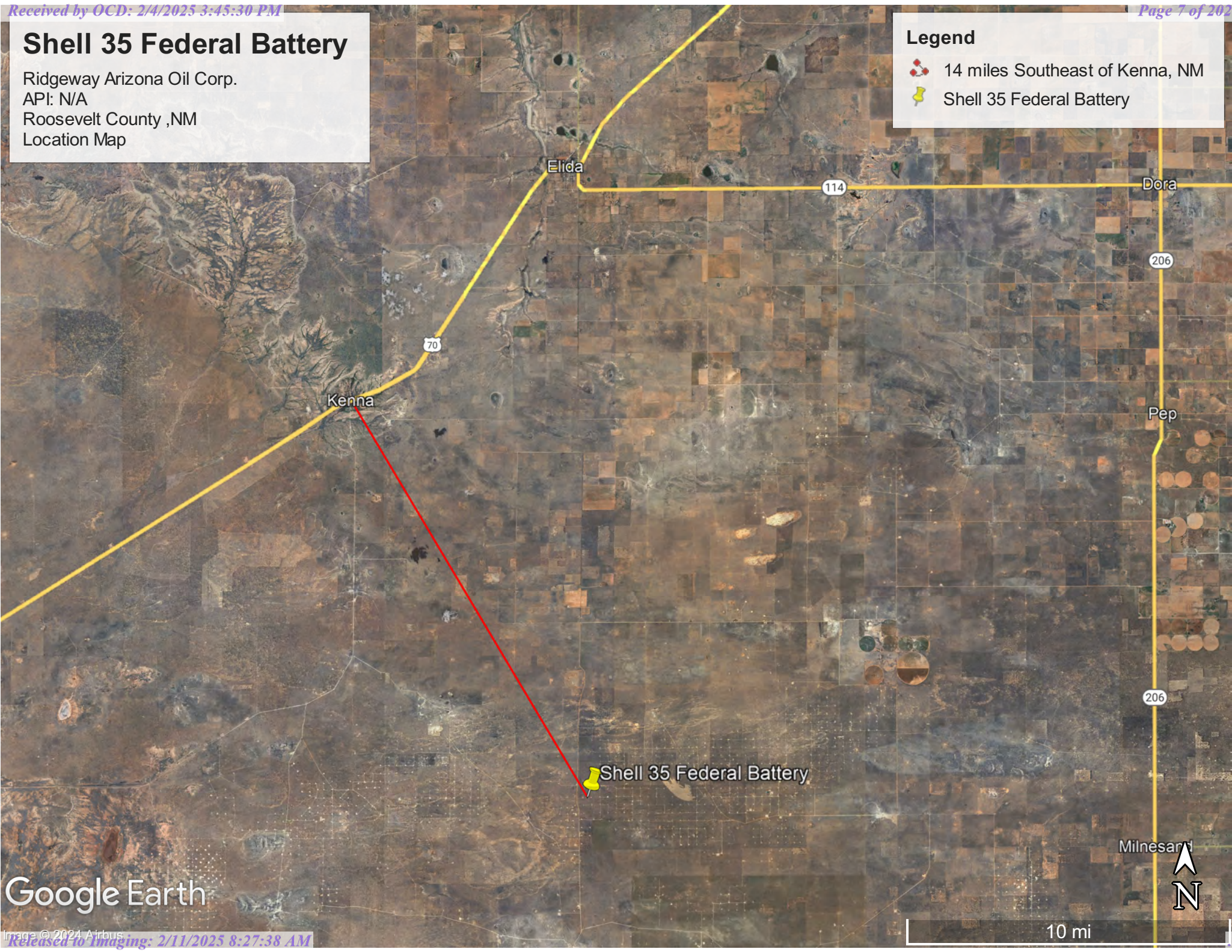


# Shell 35 Federal Battery

Ridgeway Arizona Oil Corp.  
API: N/A  
Roosevelt County ,NM  
Location Map

## Legend

-  14 miles Southeast of Kenna, NM
-  Shell 35 Federal Battery



Google Earth

10 mi




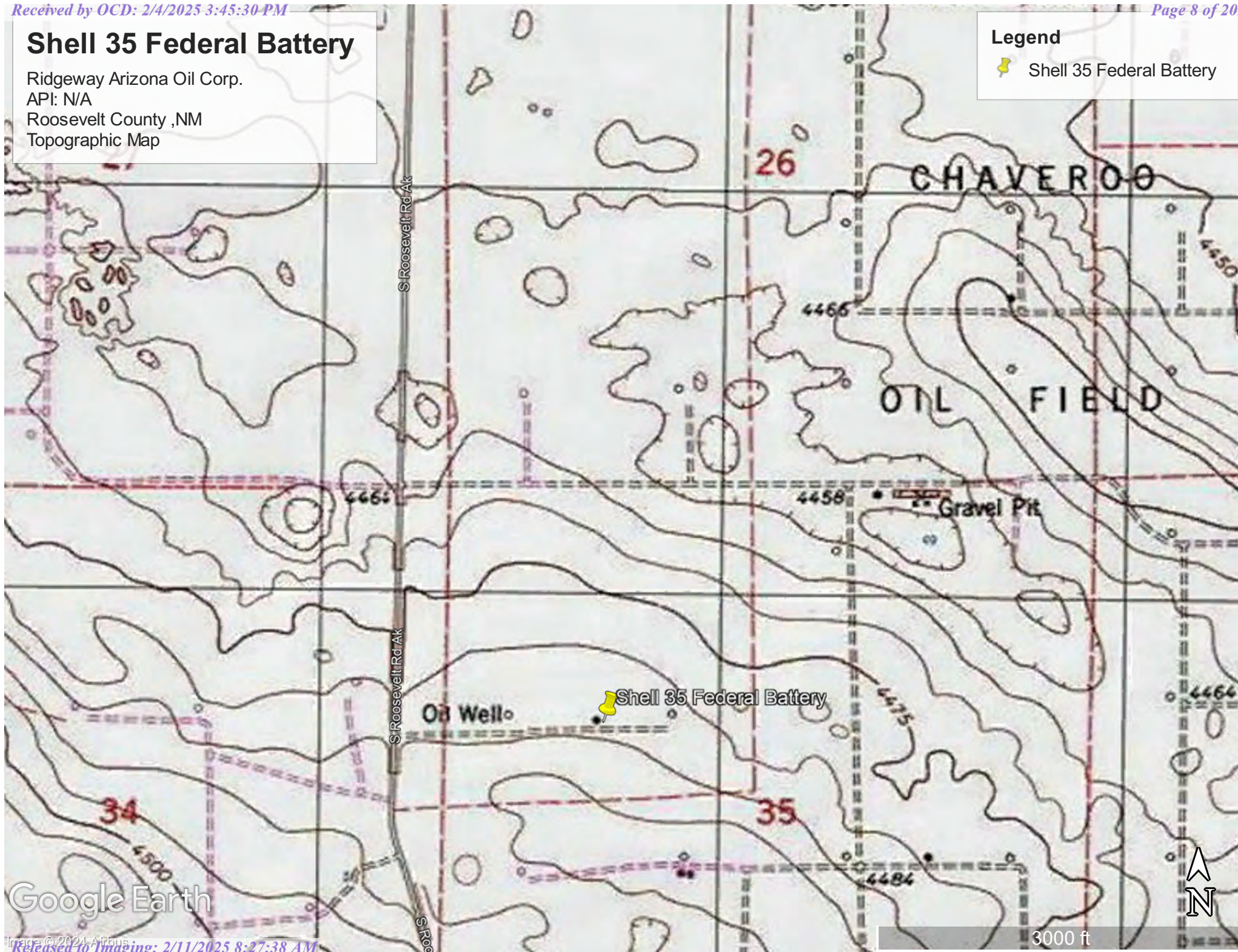


# Shell 35 Federal Battery

Ridgeway Arizona Oil Corp.  
API: N/A  
Roosevelt County ,NM  
Topographic Map

## Legend

 Shell 35 Federal Battery







Google Earth




# Shell 35 Federal Battery

Ridgeway Arizona Oil Corp.  
API: N/A  
Roosevelt County ,NM  
Karst Map

## Legend

-  High Karst
-  Low Karst
-  Medium Karst
-  Shell 35 Federal Battery

 Shell 35 Federal Battery

Google Earth



3 mi

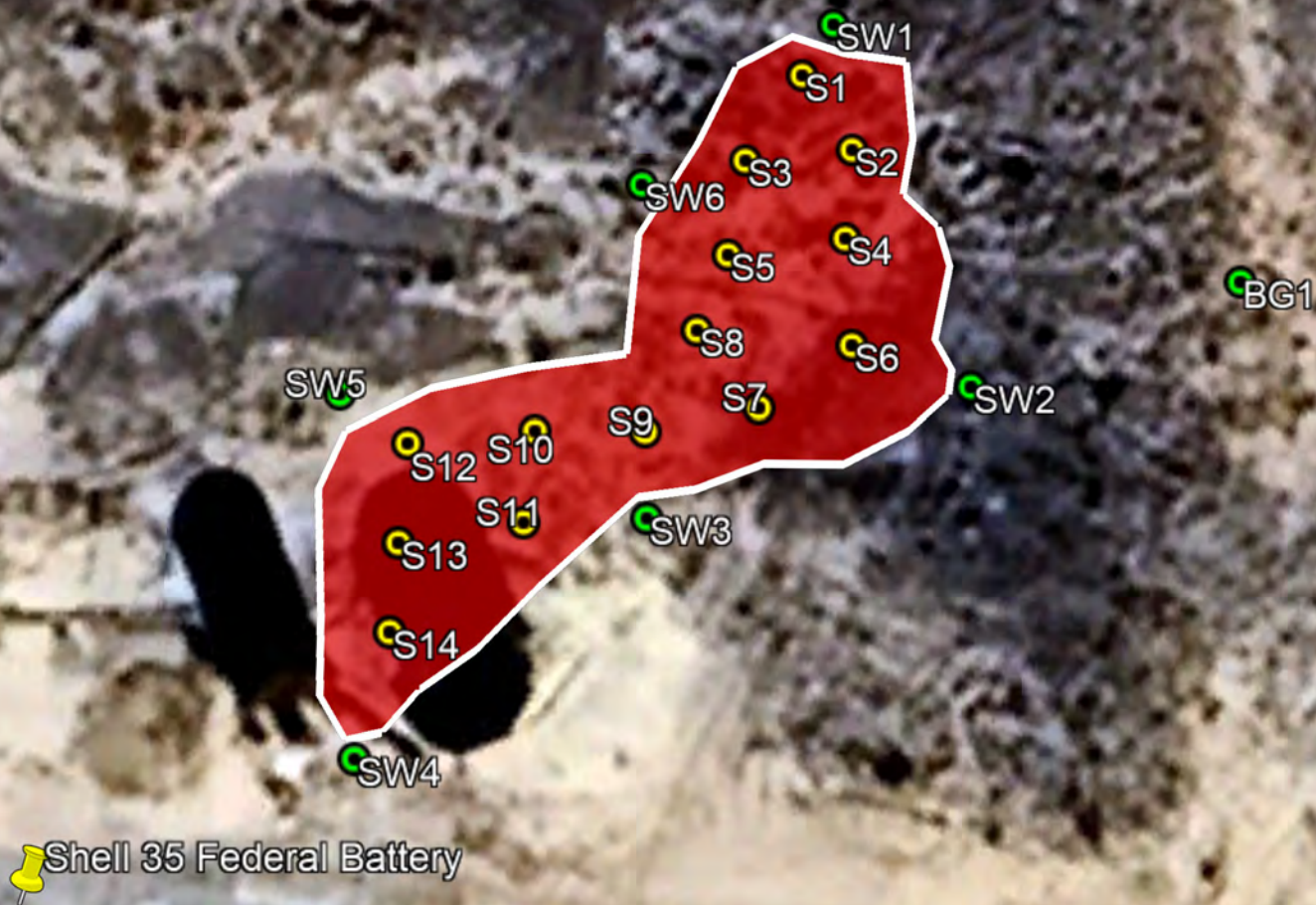


# Shell 35 Federal Battery

Devon Energy  
API# N/A  
Roosevelt County, NM  
Site Map

## Legend

- Bottom Samples
- Shell 35 Federal Battery
- Sidewall/Background Samples
- Spill Area- 2,918 sq ft



Google Earth






80 ft

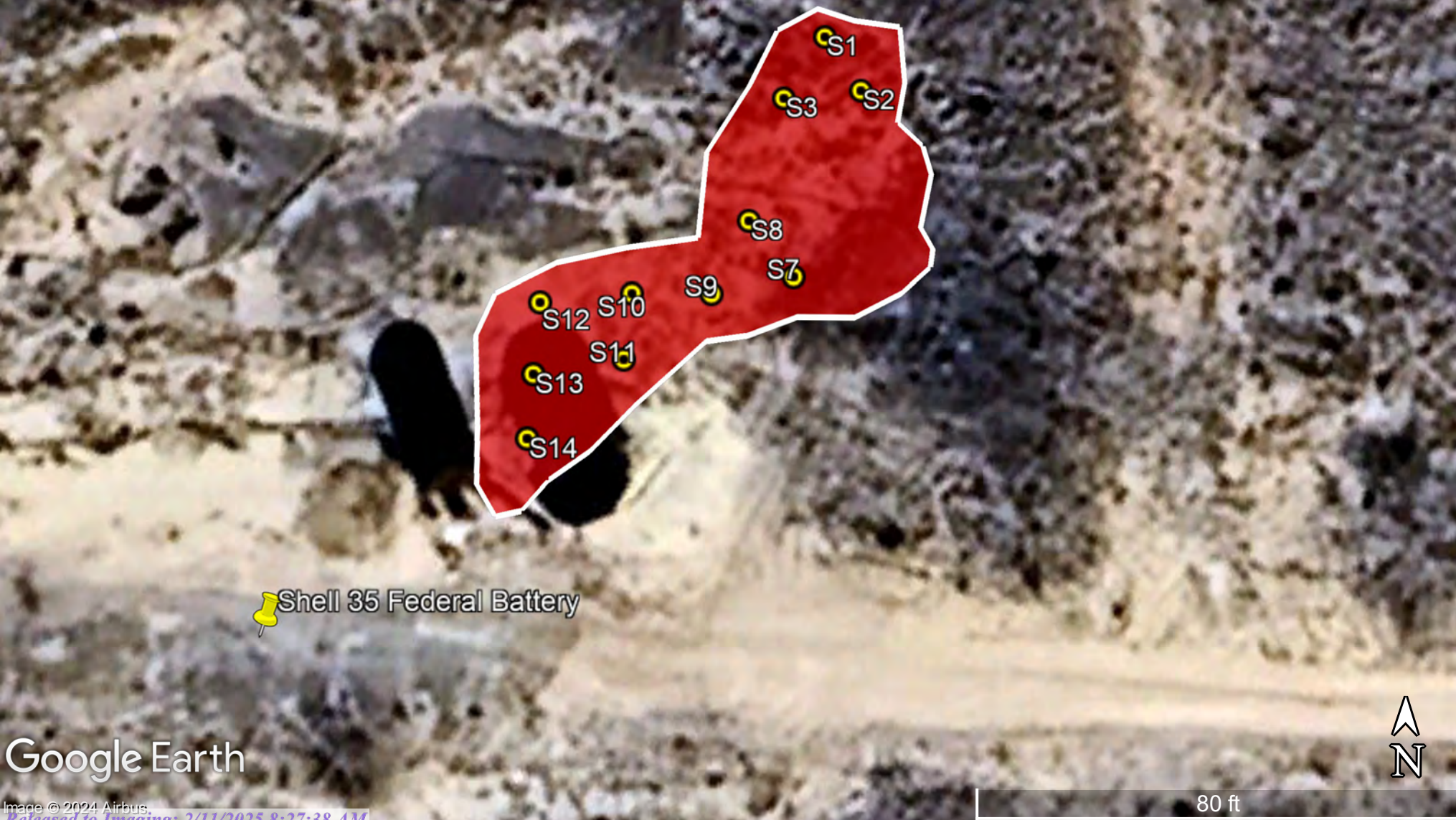


# Shell 35 Federal Battery

Devon Energy  
API# N/A  
Roosevelt County, NM  
Deleantion Map

## Legend

-  Delineation Bottom Sample 5' & 6' deep
-  Shell 35 Federal Battery
-  Untitled Polygon







Google Earth

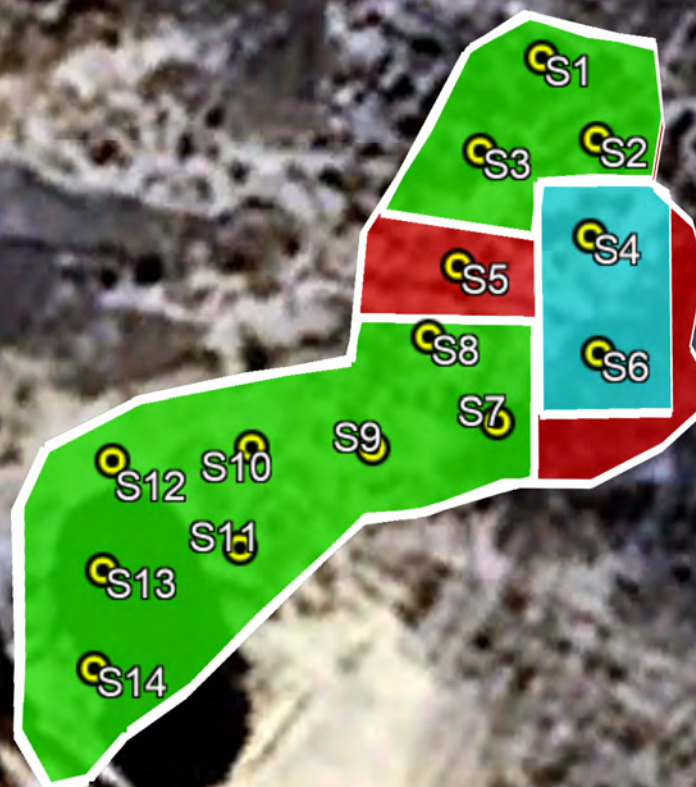



# Shell 35 Federal Battery

Devon Energy  
API# N/A  
Roosevelt County, NM  
Proposed Excavation Map

## Legend

-  Excavation Area- 400 sq ft at 3 1/2' deep
-  Excavation Area 2,200 sq ft at 4 1/2' deep
-  Bottom Samples
-  Shell 35 Federal Battery



 Shell 35 Federal Battery

Google Earth

Image © 2024 Airbus

Released to Imaging: 2/11/2025 8:27:38 AM



70 ft





## Appendix A

### Water Surveys:

- OSE
- USGS
- Surface Water Map

File Number: \_\_\_\_\_

**NEW MEXICO OFFICE OF THE STATE ENGINEER  
DECLARATION OF OWNER OF UNDERGROUND WATER RIGHT**

2-15466  
33<sup>00</sup>

**1. DECLARANT**

Name: Watts Land & Cattle (Button Mesa Ranch) Work Phone: 505-234-3657  
 Contact: Marvin Watts Home Phone: 505-885-2520  
 Address: P.O. Box 56  
 City: Carlsbad State: NM Zip: 88220

**2. LOCATION OF WELL (A, B, C, or D required, E or F if know)**

A. NW 1/4 NE 1/4 SE 1/4 Section: 34 Township: 7 S Range: 32E N.M.P.M.  
 in Roosevelt County.

B. X = \_\_\_\_\_ feet, Y = \_\_\_\_\_ feet, N.M. Coordinate System  
 \_\_\_\_\_ Zone in the \_\_\_\_\_ Grant.  
 U.S.G.S. Quad Map \_\_\_\_\_

C. Latitude: \_\_\_\_\_ d \_\_\_\_\_ m \_\_\_\_\_ s Longitude: \_\_\_\_\_ d \_\_\_\_\_ m \_\_\_\_\_ s

D. East \_\_\_\_\_ (m), North \_\_\_\_\_ (m), UTM Zone 13, NAD \_\_\_\_\_ (27 or 83)

E. Tract No. \_\_\_\_\_, Map No. \_\_\_\_\_ of the \_\_\_\_\_ Hydrographic Survey

F. Lot No. \_\_\_\_\_, Block No. \_\_\_\_\_ of Unit/Tract \_\_\_\_\_ of the  
 \_\_\_\_\_ Subdivision recorded in \_\_\_\_\_ County.

G. Other: Terrill Well North

H. On land owned by (required): Watts Land & Cattle

**3. DESCRIPTION OF WELL**

Date drilled: 1921 Driller: Unknown

Depth: 160 feet. Outside diameter of casing 6.5 inches;

Original capacity 5 gal. per min.; Present capacity 5 gal. per min.

Pumping lift: 155 feet; Static water level: 136 feet (above) (below) land  
 surface; Make of pump: Goulds; Type of pump: Submersible

Make, type, horsepower, etc., of power plant: 1 hp Franklin elect. Motor

Fractional or percentage interest claimed in well: 100%

STATE ENGINEER OFFICE  
 ROSWELL, NEW MEXICO  
 201 APR - 3 AM 10:02

FILED

UNDER NEW MEXICO LAW A DECLARATION IS  
 ONLY A STATEMENT OF DECLARANT'S CLAIM.

ACCEPTANCE FOR FILING DOES NOT  
 CONSTITUTE APPROVAL OR REJECTION  
 OF THE CLAIM

File Number: 22-112  
 Form: wr-03

page 1 of 3

Trn Number: 356531

CL-98

File Number: \_\_\_\_\_

**NEW MEXICO OFFICE OF THE STATE ENGINEER  
DECLARATION OF OWNER OF UNDERGROUND WATER RIGHT**

**4. QUANTITY**

Consumptive Use: \_\_\_\_\_ acre-feet per annum  
 Diversion Amount: 6 \_\_\_\_\_ acre-feet per annum

**5. PURPOSE OF USE**

Domestic: \_\_\_\_\_ Livestock: X Irrigation: \_\_\_\_\_ Municipal: \_\_\_\_\_ Industrial: \_\_\_\_\_  
 Commercial: \_\_\_\_\_ Other (specify): \_\_\_\_\_  
 Specific use: Livestock watering

**6. PLACE OF USE**

NA \_\_\_\_\_ acres of land described as follows:

Subdivision of Section (District or Hydrographic Survey)	Section (Map No.)	Township (Tract No.)	Range	Acres
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____
_____	_____	_____	_____	_____

Who is the owner of the land? \_\_\_\_\_

**7. WATER WAS FIRST APPLIED TO BENEFICIAL USE ON:** December 14, 1921 (date)  
 and since that time has been used fully and continuously for all of the above  
 described purposes except as follows: \_\_\_\_\_

**8. ADDITIONAL STATEMENTS OR EXPLANATIONS:**

The Patent for the Southeast 1/4 of Sec. 34 in Township seven South of Range  
thirty-two east of the New Mexico Principal Meridian, New Mexico, containing  
160 acres, and other land, was issued to Jonnie Terrill, from the United  
States, on December 14, 1921. This was done pursuant to the Act of  
Congress of 1862 "To secure Homesteads to Actual Settlers on the Public  
Domain", and the Acts supplemental thereto. A part of this Act and its  
amendments was the recognition of vested and accrued water rights. It is the  
belief of Declarant that this well was drilled and the water put to bene-  
ficial use prior to or on December 14, 1921. We enclose a copy of the filed  
Patent from the United States to Jonnie Terrill dated December 14, 1921.  
This well is equipped with a 1 hp submersible pump and waters cattle in  
several pastures.

File Number: 22-112  
 Form: wr-03

Trn Number: \_\_\_\_\_

page 2 of 3

STATE ENGINEER OFFICE  
 ROSWELL, NEW MEXICO  
 201 APR -3 AM 10:22

File Number: \_\_\_\_\_

**NEW MEXICO OFFICE OF THE STATE ENGINEER  
DECLARATION OF OWNER OF UNDERGROUND WATER RIGHT****ACKNOWLEDGEMENT FOR NATURAL PERSONS**

(I, We) Marvin Watts Mark Watts affirm that the  
(Please Print)  
foregoing statements are true to the best of my knowledge and belief.

Marvin L Watts \_\_\_\_\_  
Declarant Signature Declarant Signature

**NOTARY**

This instrument was acknowledged before me this 3rd day of April

A.D., 2003, By Marvin  
Name of Applicant

My commission expires 1/16/05 Terrence M. Irons  
Notary Public

**ACCEPTANCE OF STATE ENGINEER**

This Declaration form is hereby accepted for filing in accordance  
with NMSA-1978 (1985), as amended.  
The acceptance by the State Engineer Office does not constitute validation  
of the right claimed.

M. Barajas

STATE ENGINEER OFFICE  
ROSWEIL, NEW MEXICO  
2003 APR -3 AM 10: 02

File Number: 22-112  
Form: wr-03

page 3 of 3

Trn Number: \_\_\_\_\_

## RECORD OF PATENTS

4-1005

m/395

STATE OF NEW MEXICO,

County of Roosevelt.

I hereby certify that this instrument was filed for record on the 23rd day of

January, A. D. 1928, at

9:30 o'clock A. M., and was recorded

on this 23rd day of

January, A. D. 1928.

(Seal) Paul S. Morrison,  
County Clerk.

Deputy.

The United States of America

Roosevelt, 004521

To All to Whom these Presents Shall Come—Greeting:

Whereas, a Certificate of the Register of the Land Office at  
(Roosevelt), New Mexico, has been deposited in the General Land Office,  
whereby it appears that, pursuant to the Act of Congress of May 30, 1902, "To Secure  
Homesteads to Actual Settlers on the Public Domain," and the Acts supplemental thereto

the claim of Johnnie Terrill, formerly Johnnie Fortenberry,

has been established and duly recommended, in conformity to law, for the

southeast quarter of Section thirty-four and the southwest quarter of  
Section thirty-five in Township seven south of Range thirty-two east of the New  
Mexico Meridian, New Mexico, containing three hundred twenty acres,

## Original of Poor Quality

according to the Official Plat of the Survey of the said land, returned to the General Land Office by the Surveyor-General:

NOW, KNOW YE, That there is, therefore, granted by the UNITED STATES unto the said Claimant, the tract of land above described:  
TO HAVE AND TO HOLD the said tract of land, with the appurtenances thereto, unto the said Claimant, and to the heirs and assigns of the said  
Claimant, forever; subject to any vested and accrued water rights for mining, agricultural, manufacturing, or other purposes, and rights to ditches  
and reservoirs used in connection with such water rights, as may be recognized and acknowledged by the local customs, laws, and decisions of the State;  
and there is reserved from the lands hereby granted, a right-of-way thereon for ditches or canals constructed by the authority of the United States.

IN TESTIMONY WHEREOF, I, Woodrow Wilson, President of the United States of America, have caused these Letters to be made Patent, and the Seal of the General Land Office to be hereunto affixed.

District of Columbia,

(Seal)

GIVEN under my hand, at the City of Washington, the fourteenth day of December,

In the year of our Lord one thousand nine hundred and twenty-eight, and of the Independence of the United States the one hundred and eighty-ninth.

By the President:

Woodrow Wilson

By \_\_\_\_\_, Secretary.

STATE ENGINEER OFFICE  
ROSMELL, NEW MEXICO

APR - 3 AM 10: 02

Original of Poor Quality

## MEMORANDUM

DATE: April 10, 2006  
TO: File Nbr. CL-97 AND CL-98  
FROM: Mike Barajas, Supervisor, Causey Lingo Basin  
SUBJECT: Change of Water Right File Nbr.

---

The water rights appurtenant 1 acres of land described in Misc. File Nbr. 22-111 and 22-112, in Roosevelt County, are assigned to File Nbr. CL-97 thru CL-98

<u>Old Nbr</u>	<u>New Nbr</u>
22-111	CL-97
22-112	CL-98

---

Mike Barajas, Supervisor  
Causey Lingo Basin



STATE OF NEW MEXICO

OFFICE OF THE STATE ENGINEER

ROSWELL

JOHN R. D'ANTONIO, JR. P.E.  
State Engineer

DISTRICT II  
1900 West Second St.  
Roswell, New Mexico 88201  
(505) 622-6521

January 21, 2005

File Nos.: Misc. 22-111 22-112

Marvin Watts  
Watts Land & Cattle  
P.O. Box 56  
Carlsbad, NM 88220

Greetings:

Enclosed are your copies of Declaration of Owner of Underground Water Right, which have been filed for record in the District II Office of the State Engineer.

Please refer to the file numbers in all future correspondence concerning these Declarations.

These Declarations are not within the boundaries of any declared basin; therefore, the statements on these Declarations have not been verified or investigated.

The filing of these Declarations does not indicate affirmation or rejection of the statements contained therein.

Sincerely,

A handwritten signature in cursive script, appearing to read "Mike Barajas".

Mike Barajas  
Water Resource Specialist

MB/mw

cc: Santa Fe




Encl: Decl (2)

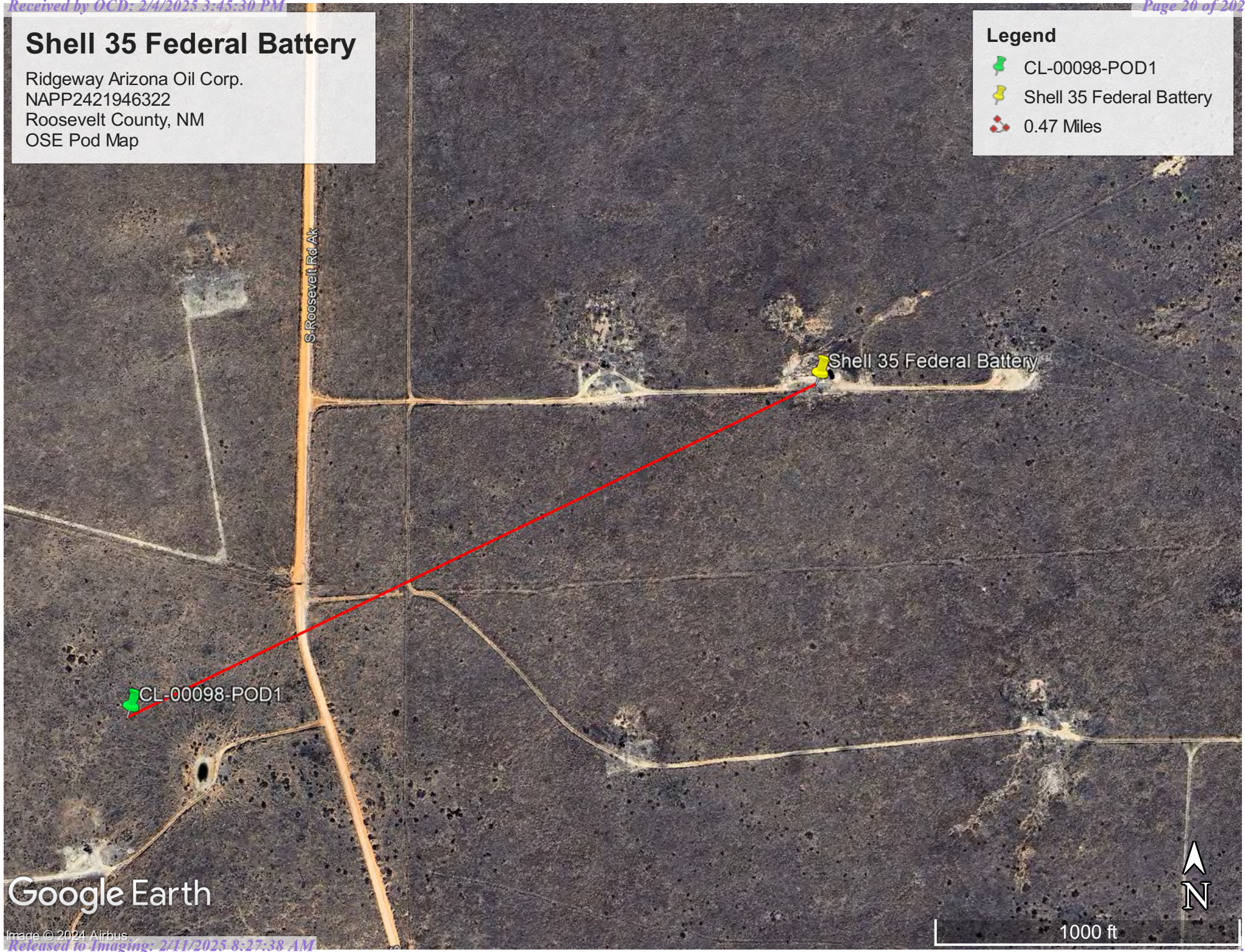


# Shell 35 Federal Battery

Ridgeway Arizona Oil Corp.  
NAPP2421946322  
Roosevelt County, NM  
OSE Pod Map

## Legend

-  CL-00098-POD1
-  Shell 35 Federal Battery
-  0.47 Miles







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

## National Water Information System: Web Interface

USGS Water Resources

Data Category:

Groundwater

Geographic Area:

United States

GO

Click to hide News Bulletins

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

Groundwater levels for the Nation

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

### Search Results -- 1 sites found

site\_no list =

- 334102103393701

Minimum number of levels = 1

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

### USGS 334102103393701 07S.32E.27.121414

Available data for this site

Groundwater: Field measurements

GO

Roosevelt County, New Mexico

Hydrologic Unit Code 12050001

Latitude 33°41'02", Longitude 103°39'37" NAD27

Land-surface elevation 4,454 feet above NGVD29

This well is completed in the High Plains aquifer (N100HGHPLN) national aquifer.

This well is completed in the Cretaceous System (210CRCS) local aquifer.

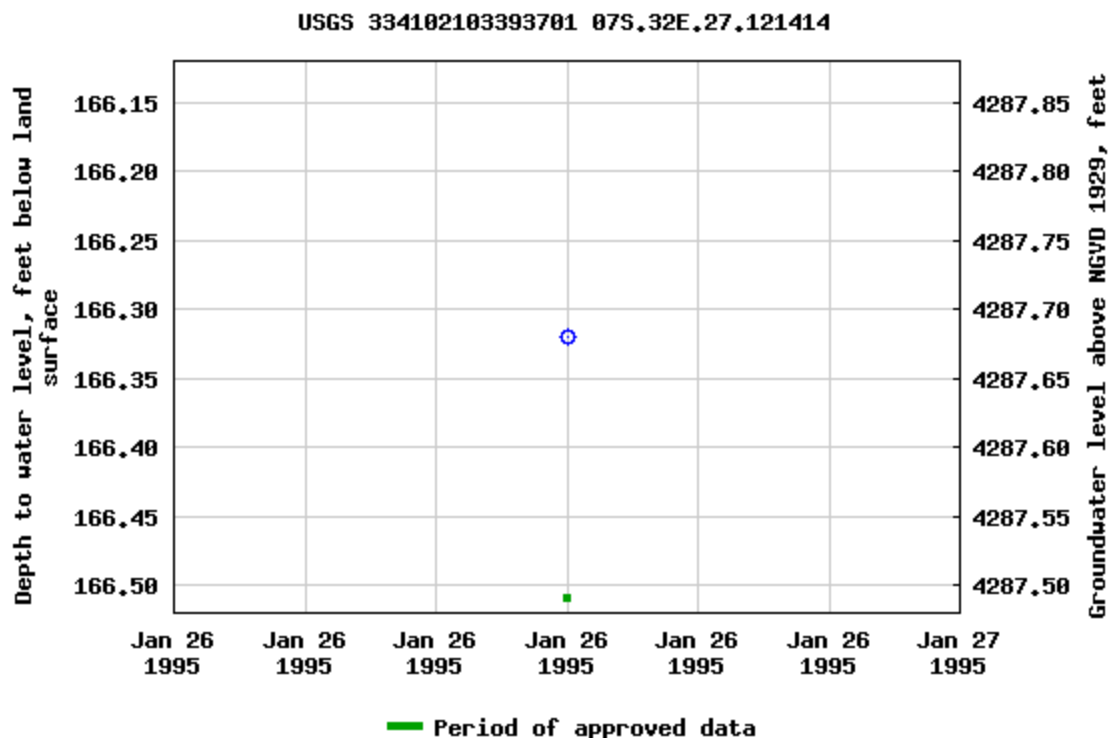
#### Output formats

[Table of data](#)

[Tab-separated data](#)

[Graph of data](#)

[Reselect period](#)



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

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

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



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

Page Last Modified: 2024-08-27 17:22:19 EDT

0.71 0.49 nadww02



# Shell 35 Federal Battery

Ridgeway Arizona Oil Corp.  
NAPP2421946322  
Roosevelt County, NM  
USGS Map

## Legend

- 1.58 Miles
- Shell 35 Federal Battery
- USGS 334102103393701

USGS 334102103393701

Shell 35 Federal Battery 33.6654, -103.6446

Google Earth






5000 ft

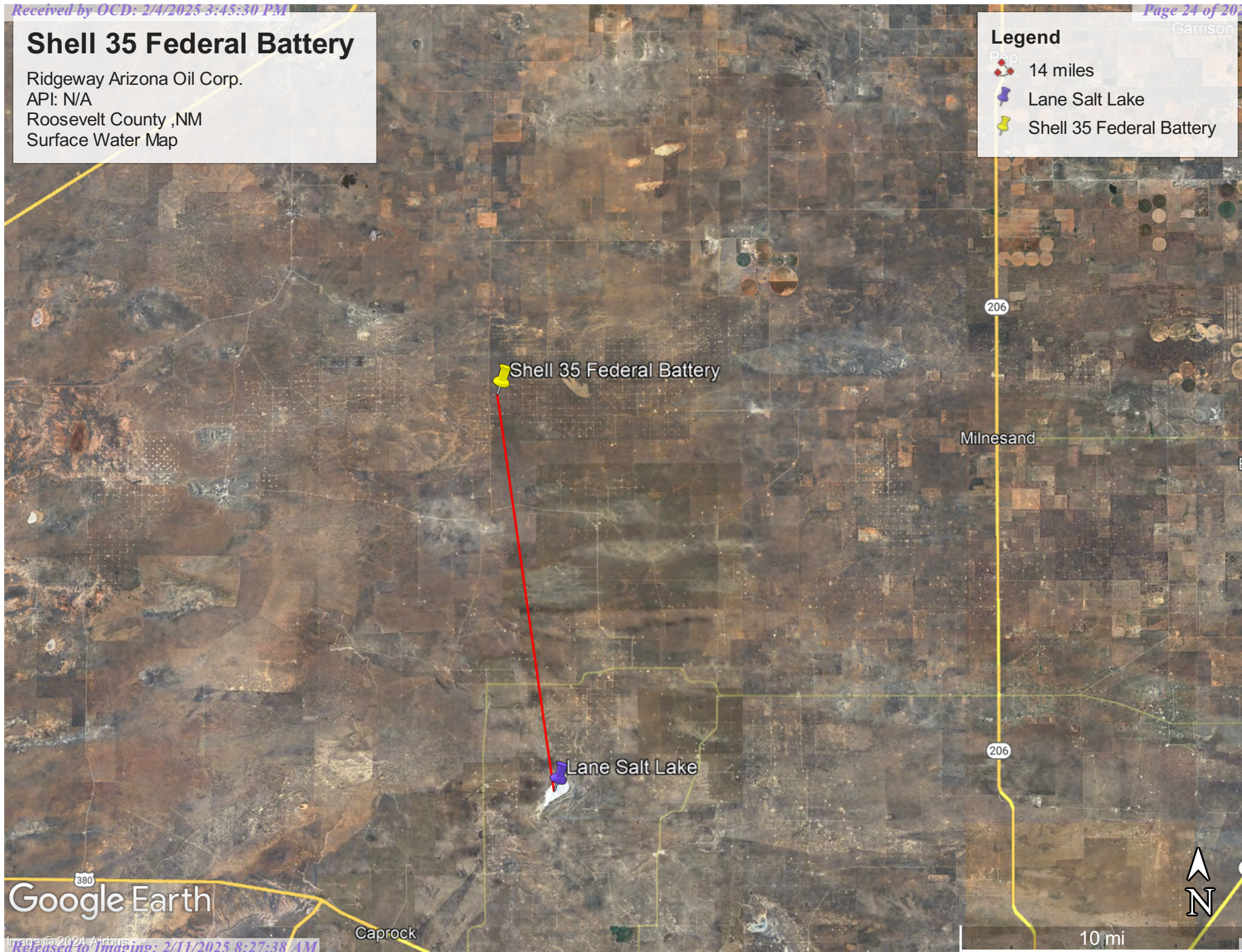


# Shell 35 Federal Battery

Ridgeway Arizona Oil Corp.  
API: N/A  
Roosevelt County ,NM  
Surface Water Map

## Legend

-  14 miles
-  Lane Salt Lake
-  Shell 35 Federal Battery



Google Earth





## Appendix B

- Soil Survey & Soil Maps
- Geological Data
- FEMA Flood Map
- Wetlands Map

Map Unit Description: Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes---Roosevelt County, New Mexico

---

## Roosevelt County, New Mexico

### JAV—Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes

#### Map Unit Setting

*National map unit symbol:* 1idym

*Elevation:* 2,500 to 4,600 feet

*Mean annual precipitation:* 14 to 16 inches

*Mean annual air temperature:* 57 to 63 degrees F

*Frost-free period:* 180 to 220 days

*Farmland classification:* Not prime farmland

#### Map Unit Composition

*Jalmar and similar soils:* 30 percent

*Amarose and similar soils:* 25 percent

*Vestwells and similar soils:* 24 percent

*Minor components:* 21 percent

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

#### Description of Jalmar

##### Setting

*Landform:* Plains

*Down-slope shape:* Linear

*Across-slope shape:* Linear

*Parent material:* Sandy eolian deposits

##### Typical profile

*A - 0 to 12 inches:* fine sand

*E - 12 to 30 inches:* fine sand

*Bt1 - 30 to 55 inches:* fine sandy loam

*Bt2 - 55 to 80 inches:* sandy clay loam

##### Properties and qualities

*Slope:* 1 to 3 percent

*Depth to restrictive feature:* More than 80 inches

*Drainage class:* Well drained

*Runoff class:* Negligible

*Capacity of the most limiting layer to transmit water*

*(Ksat):* Moderately high to high (0.57 to 1.98 in/hr)

*Depth to water table:* More than 80 inches

*Frequency of flooding:* None

*Frequency of ponding:* None

*Maximum salinity:* Nonsaline to very slightly saline (0.0 to 2.0 mmhos/cm)

*Sodium adsorption ratio, maximum:* 1.0

*Available water supply, 0 to 60 inches:* Low (about 5.8 inches)

##### Interpretive groups

*Land capability classification (irrigated):* 4e

Map Unit Description: Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes---Roosevelt County, New Mexico

---

*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* A  
*Ecological site:* R077DY046TX - Sandy 12-17" PZ  
*Hydric soil rating:* No

### Description of Amarose

#### Setting

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Loamy eolian deposits

#### Typical profile

*A - 0 to 10 inches:* loamy fine sand  
*Bt1 - 10 to 34 inches:* sandy clay loam  
*Bt2 - 34 to 42 inches:* fine sandy loam  
*Btk - 42 to 80 inches:* loam

#### Properties and qualities

*Slope:* 1 to 3 percent  
*Depth to restrictive feature:* More than 80 inches  
*Drainage class:* Well drained  
*Runoff class:* Low  
*Capacity of the most limiting layer to transmit water (Ksat):* Moderately high to high (0.57 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:* 55 percent  
*Maximum salinity:* Nonsaline (0.0 to 1.0 mmhos/cm)  
*Sodium adsorption ratio, maximum:* 2.0  
*Available water supply, 0 to 60 inches:* Moderate (about 8.2 inches)

#### Interpretive groups

*Land capability classification (irrigated):* 3e  
*Land capability classification (nonirrigated):* 6e  
*Hydrologic Soil Group:* B  
*Ecological site:* R077DY046TX - Sandy 12-17" PZ  
*Hydric soil rating:* No

### Description of Vestwells

#### Setting

*Landform:* Plains  
*Down-slope shape:* Linear  
*Across-slope shape:* Linear  
*Parent material:* Sandy eolian deposits

#### Typical profile

*A - 0 to 5 inches:* fine sand  
*E - 5 to 22 inches:* fine sand  
*Bt1 - 22 to 41 inches:* sandy clay loam

Map Unit Description: Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes---Roosevelt County, New Mexico

---

*Bt2 - 41 to 48 inches: sandy clay*  
*Btkk - 48 to 80 inches: sandy clay loam*

**Properties and qualities**

*Slope: 1 to 3 percent*  
*Depth to restrictive feature: More than 80 inches*  
*Drainage class: Well drained*  
*Runoff class: Very low*  
*Capacity of the most limiting layer to transmit water (Ksat): Moderately high (0.20 to 0.57 in/hr)*  
*Depth to water table: More than 80 inches*  
*Frequency of flooding: None*  
*Frequency of ponding: None*  
*Calcium carbonate, maximum content: 60 percent*  
*Available water supply, 0 to 60 inches: Moderate (about 7.0 inches)*

**Interpretive groups**

*Land capability classification (irrigated): 4e*  
*Land capability classification (nonirrigated): 6e*  
*Hydrologic Soil Group: B*  
*Ecological site: R077DY046TX - Sandy 12-17" PZ*  
*Hydric soil rating: No*

**Minor Components****Elida**

*Percent of map unit: 13 percent*  
*Landform: Playa slopes, plains*  
*Landform position (two-dimensional): Backslope*  
*Down-slope shape: Linear*  
*Across-slope shape: Concave, linear*  
*Ecological site: R077DY046TX - Sandy 12-17" PZ*  
*Hydric soil rating: No*

**Douro**

*Percent of map unit: 5 percent*  
*Landform: Plains*  
*Down-slope shape: Linear*  
*Across-slope shape: Linear*  
*Ecological site: R077DY046TX - Sandy 12-17" PZ*  
*Hydric soil rating: No*

**Triomas**

*Percent of map unit: 3 percent*  
*Landform: Plains*  
*Down-slope shape: Convex*  
*Across-slope shape: Linear*  
*Ecological site: R077DY046TX - Sandy 12-17" PZ*



Map Unit Description: Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes---Roosevelt  
County, New Mexico

---

*Hydric soil rating:* No

## Data Source Information

Soil Survey Area: Roosevelt County, New Mexico  
Survey Area Data: Version 21, Sep 3, 2024

Soil Map—Roosevelt County, New Mexico




Natural Resources  
Conservation Service

Web Soil Survey  
National Cooperative Soil Survey

12/17/2024  
Page 1 of 3

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 1:24,000.

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: Roosevelt County, New Mexico  
Survey Area Data: Version 21, Sep 3, 2024

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

Date(s) aerial images were photographed: Feb 5, 2021—Feb 8, 2021

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
JAV	Jalmar, Amarose, and Vestwells soils, 1 to 3 percent slopes	0.3	100.0%
Totals for Area of Interest		0.3	100.0%

(<https://www.usgs.gov/>)

Mineral Resources (<https://www.usgs.gov/energy-and-minerals/mineral-resources-program>)  
/ Online Spatial Data (/) / Geology (/geology/) / by state (/geology/state/)  
/ New Mexico (/geology/state/state.php?state=NM)

Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region

XML (/geology/state/xml/NMQoa;0)

JSON (/geology/state/json/NMQoa;0)

Shapefile (/geology/state/unit-shape.php?unit=NMQoa;0)

*Includes scattered lacustrine, playa, and alluvial deposits of the Tahoka, Double Tanks, Tule, Blanco, Blackwater Draw, and Gatuna Formations, the latter of which may be Pliocene at base; outcrops, however, are basically of Quaternary deposits.*

State	New Mexico (/geology/state/state.php?state=NM)
Name	Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region
Geologic age	Middle to lower Pleistocene
Lithologic constituents	Major Unconsolidated (Alluvial, Lacustrine, Eolian) Older alluvial deposits of upland plains and piedmont areas, and calcic soils and eolian cover sediments of High Plains region
References	<div>Green, G.N., Jones, G.E., and Anderson, O.J., 1997, The Digital Geologic Map of New Mexico in ARC/INFO Format: U.S. Geological Survey Open-File Report 97-0052, 9 p., scale 1:500,000. <a href="https://pubs.er.usgs.gov/publication/ofr9752">https://pubs.er.usgs.gov/publication/ofr9752</a> (<a href="https://pubs.er.usgs.gov/publication/ofr9752">https://pubs.er.usgs.gov/publication/ofr9752</a>)</div>
NGMDB product	<div>NGMDB product page for 59219 (<a href="https://ngmdb.usgs.gov/Prodesc/proddesc_59219.htm">https://ngmdb.usgs.gov/Prodesc/proddesc_59219.htm</a>) NGMDB product page for 22974 (<a href="https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm">https://ngmdb.usgs.gov/Prodesc/proddesc_22974.htm</a>)</div>

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**Counties**      Bernalillo (/geology/state/fips-unit.php?code=f35001) - Catron (/geology/state/fips-unit.php?code=f35003) - Chaves (/geology/state/fips-unit.php?code=f35005) - Colfax (/geology/state/fips-unit.php?code=f35007) - Curry (/geology/state/fips-unit.php?code=f35009) - DeBaca (/geology/state/fips-unit.php?code=f35011) - Eddy (/geology/state/fips-unit.php?code=f35015) - Grant (/geology/state/fips-unit.php?code=f35017) - Guadalupe (/geology/state/fips-unit.php?code=f35019) - Harding (/geology/state/fips-unit.php?code=f35021) - Lea (/geology/state/fips-unit.php?code=f35025) - Lincoln (/geology/state/fips-unit.php?code=f35027) - Luna (/geology/state/fips-unit.php?code=f35029) - Mora (/geology/state/fips-unit.php?code=f35033) - Quay (/geology/state/fips-unit.php?code=f35037) - Roosevelt (/geology/state/fips-unit.php?code=f35041) - Santa Fe (/geology/state/fips-unit.php?code=f35049) - Socorro (/geology/state/fips-unit.php?code=f35053) - Torrance (/geology/state/fips-unit.php?code=f35057) - Valencia (/geology/state/fips-unit.php?code=f35061)

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Accessibility (<https://www2.usgs.gov/laws/accessibility.html>) | Site Map (<https://www.usgs.gov/sitemap.html>) |

Contact USGS (<https://answers.usgs.gov/>)

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White House (<https://www.whitehouse.gov/>) | E-gov (<https://www.whitehouse.gov/omb/management/egov/>) |

No Fear Act (<https://www.doi.gov/pmb/eeo/no-fear-act>) | FOIA (<https://www2.usgs.gov/foia>)






# Shell 35 Federal Battery

Ridgeway Arizona Oil Corp.  
API: N/A  
Roosevelt County ,NM  
Geological Map

Shell 35 Federal Battery

## Legend

-  Eolian deposits
-  Older alluvial deposits of upland plains, piedmont areas, calcic soils, eolian cover sediments of High Plains region
-  Shell 35 Federal Battery

Google Earth

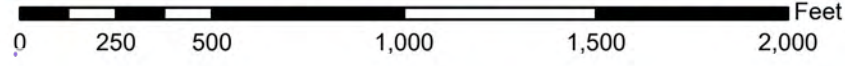
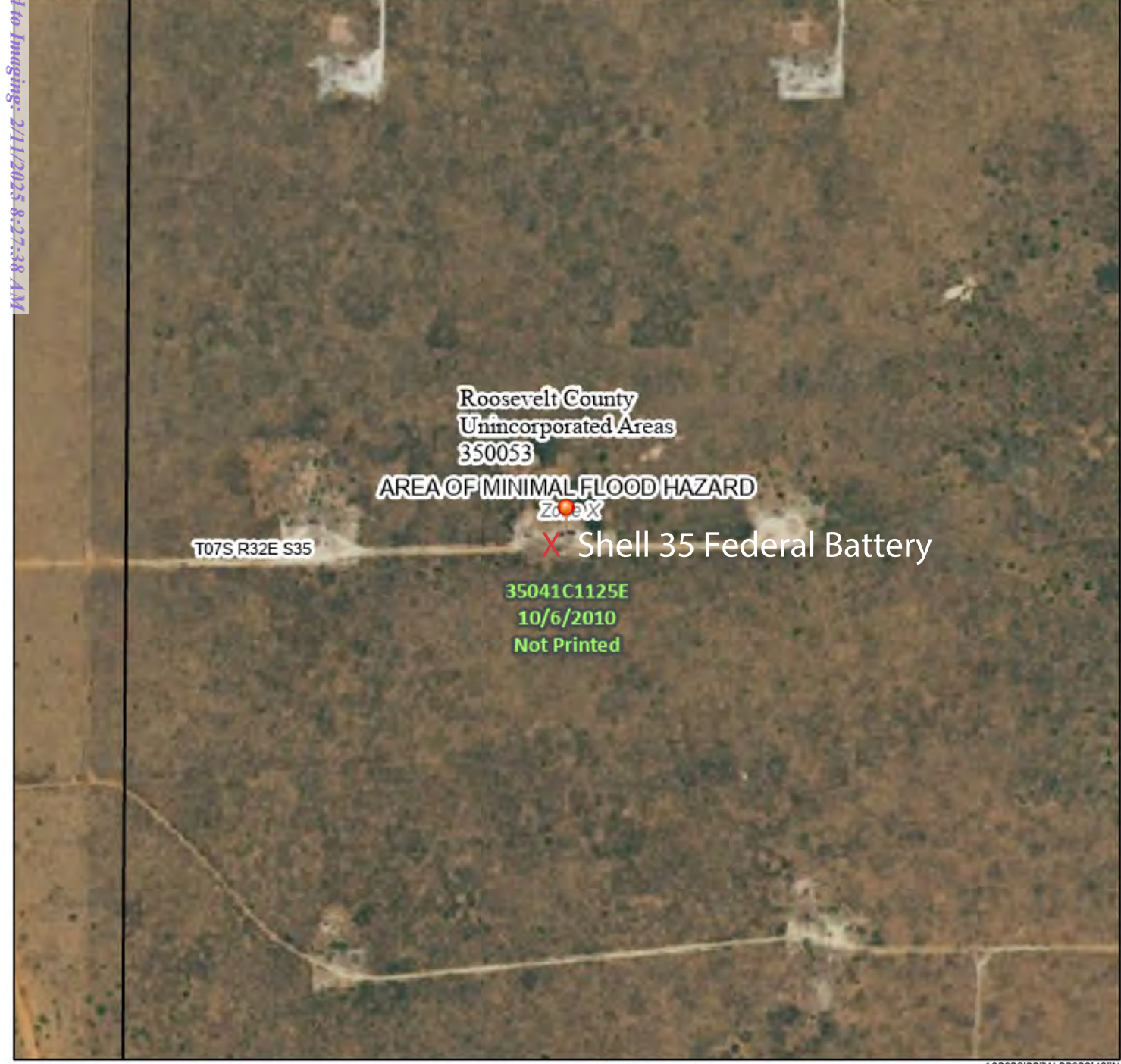




# National Flood Hazard Layer FIRMMette



103°38'59"W 33°40'10"N



1:6,000

103°38'22"W 33°39'40"N

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
OTHER AREAS OF FLOOD HAZARD		Regulatory Floodway
		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
		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
OTHER AREAS		NO SCREEN Area of Minimal Flood Hazard Zone X
		Effective LOMRs
GENERAL STRUCTURES		Area of Undetermined Flood Hazard Zone D
		Channel, Culvert, or Storm Sewer
OTHER FEATURES		Levee, Dike, or Floodwall
		20.2 Cross Sections with 1% Annual Chance
		17.5 Water Surface Elevation
		Coastal Transect
		Base Flood Elevation Line (BFE)
		Limit of Study
		Jurisdiction Boundary
		Coastal Transect Baseline
		Profile Baseline
		Hydrographic Feature
MAP PANELS		Digital Data Available
		No Digital Data Available
		Unmapped

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

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

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on **12/17/2024 at 5:42 PM** and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

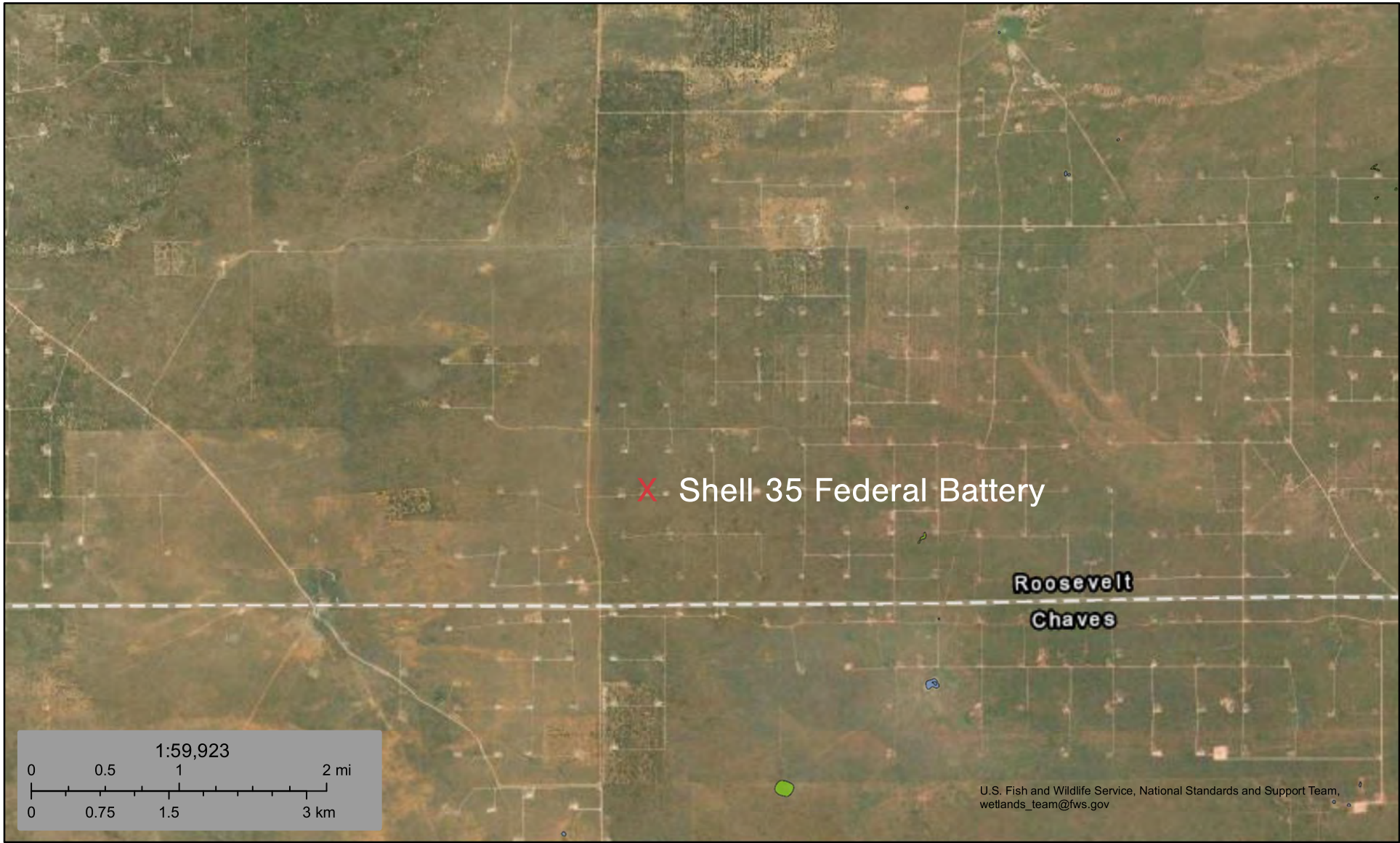
This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory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

Released to Imaging: 2/11/2025 8:27:38 AM

Received by OCD: 2/4/2025 3:45:30 PM

Page 36 of 202





December 17, 2024

Wetlands

- |   |                                |   |                                   |   |          |
|---|--------------------------------|---|-----------------------------------|---|----------|
|  | Estuarine and Marine Deepwater |  | Freshwater Emergent Wetland       |  | Lake     |
|  | Estuarine and Marine Wetland   |  | Freshwater Forested/Shrub Wetland |  | Other    |
|   |                                |  | Freshwater Pond                   |  | Riverine |

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

# Pima Environmental Services, LCC



## Appendix C

### ○ 48-Hour Notification

**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 385933

QUESTIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 385933
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421946322
Incident Name	NAPP2421946322 SHELL 35 FEDERAL BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Shell 35 Federal Battery
Date Release Discovered	08/05/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,918
What is the estimated number of samples that will be gathered	81
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	09/25/2024
Time sampling will commence	03:00 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	33.6654,-103.6446



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

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

CONDITIONS

Action 385933

CONDITIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 385933
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
chinojosa	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.	9/23/2024

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

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

QUESTIONS

Action 396026

QUESTIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 396026
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421946322
Incident Name	NAPP2421946322 SHELL 35 FEDERAL BATTERY @ 0
Incident Type	Oil Release
Incident Status	Initial C-141 Approved

Location of Release Source	
Site Name	Shell 35 Federal Battery
Date Release Discovered	08/05/2024
Surface Owner	Federal

Sampling Event General Information	
Please answer all the questions in this group.	
What is the sampling surface area in square feet	2,918
What is the estimated number of samples that will be gathered	33
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/29/2024
Time sampling will commence	03:00 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	33.6654, -103.6446

**District I**  
1625 N. French Dr., Hobbs, NM 88240  
Phone:(575) 393-6161 Fax:(575) 393-0720  
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811 S. First St., Artesia, NM 88210  
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**State of New Mexico**  
**Energy, Minerals and Natural Resources**  
**Oil Conservation Division**  
**1220 S. St Francis Dr.**  
**Santa Fe, NM 87505**

CONDITIONS

Action 396026

CONDITIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 396026
	Action Type: [NOTIFY] Notification Of Sampling (C-141N)

CONDITIONS

Created By	Condition	Condition Date
chinojosa	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.	10/25/2024





## Appendix D

### ○ Photographic Documentation



## PHOTOGRAPHIC DOCUMENTATION

**SITE NAME: Shell 35 Federal Battery**

### Assessment



Photo of site tech performing an assessment of the release area facing North.



Photo of site tech performing an assessment of the release area facing Northeast.



Photo of site tech performing an assessment of the release area facing West.



Photo of site tech performing an assessment of the release area facing Southwest.





Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing East



Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing North



Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing South



Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing Southeast





Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing Northwest



Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing West



Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing South



Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing East





Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing South



Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing Northeast



Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing Northeast



Photo of the assessment area, photo shows site tech using an hand auger to collect samples. Facing Northeast



# Pima Environmental Services, LCC



## Appendix E

### ○ Laboratory Reports

Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shell 35 Federal Battery

Work Order: E409268

Job Number: 21064-0001

Received: 9/30/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/4/24

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.  
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Envirotech Inc. holds the Utah TNI certification NM00979 for data reported.  
Envirotech Inc. holds the Texas TNI certification T104704557 for data reported.

Date Reported: 10/4/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Shell 35 Federal Battery  
Workorder: E409268  
Date Received: 9/30/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2024 8:00:00AM, under the Project Name: Shell 35 Federal Battery.

The analytical test results summarized in this report with the Project Name: Shell 35 Federal Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/04/24 13:34
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-1'	E409268-01A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S1-2'	E409268-02A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S1-3'	E409268-03A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S1-4'	E409268-04A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S2-1'	E409268-05A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S2-2'	E409268-06A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S2-3'	E409268-07A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S2-4'	E409268-08A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S3-1'	E409268-09A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S3-2'	E409268-10A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S3-3'	E409268-11A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S3-4'	E409268-12A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S4-1'	E409268-13A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S4-2'	E409268-14A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S4-3'	E409268-15A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S4-4'	E409268-16A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S5-1'	E409268-17A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S5-2'	E409268-18A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S5-3'	E409268-19A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S5-4'	E409268-20A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

**S1-1'**

**E409268-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		92.1 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: RKS		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>		106 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	10200	200	10	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S1-2'

E409268-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.6 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	98.7 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	14000	400	20	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S1-3'

E409268-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.0 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.4 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	26.6	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	12800	200	10	09/30/24	09/30/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S1-4'

E409268-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	33.6	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	8660	200	10	09/30/24	09/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 1:34:33PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S2-1'

E409268-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	99.0 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	30.3	25.0	1	09/30/24	10/04/24	
Oil Range Organics (C28-C36)	60.7	50.0	1	09/30/24	10/04/24	
Surrogate: n-Nonane	103 %	50-200		09/30/24	10/04/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	11000	200	10	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S2-2'

E409268-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.7 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	8240	200	10	09/30/24	09/30/24	





Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 1:34:33PM
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S2-3'

E409268-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: 4-Bromochlorobenzene-PID	92.4 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.9 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
Surrogate: n-Nonane	104 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	7630	100	5	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 1:34:33PM
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S2-4'

E409268-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: 4-Bromochlorobenzene-PID	92.6 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.7 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
Surrogate: n-Nonane	99.2 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	6240	100	5	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 1:34:33PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3-1'

E409268-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: 4-Bromochlorobenzene-PID	92.5 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.2 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
Surrogate: n-Nonane	106 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	13200	200	10	09/30/24	09/30/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 1:34:33PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S3-2'

E409268-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.6 %	70-130		09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	102 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	12200	200	10	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S3-3'

E409268-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.0 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	104 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	7860	200	10	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S3-4'

E409268-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.3 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.9 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	6090	100	5	09/30/24	09/30/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S4-1'

E409268-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.8 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.5 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	38.6	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	59.4	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	12300	200	10	09/30/24	09/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 1:34:33PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S4-2'

E409268-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: 4-Bromochlorobenzene-PID	90.0 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	97.8 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
Surrogate: n-Nonane	103 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	6330	100	5	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S4-3'

E409268-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.9 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	107 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	4930	40.0	2	09/30/24	09/30/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S4-4'

E409268-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	86.9 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	102 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	108 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	444	20.0	1	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S5-1'

E409268-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>	85.8 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>	101 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>	106 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	ND	20.0	1	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S5-2'

E409268-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.1 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.8 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	106 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	ND	20.0	1	09/30/24	09/30/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S5-3'

E409268-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.9 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	110 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	22.5	20.0	1	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 1:34:33PM

S5-4'

E409268-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.7 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440011	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440007	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	105 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440014	
Chloride	34.3	20.0	1	09/30/24	09/30/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 1:34:33PM

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 (2440011-BLK1) Prepared: 09/30/24 Analyzed: 10/01/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.24		8.00		90.5	70-130			

LCS (2440011-BS1) Prepared: 09/30/24 Analyzed: 10/01/24

Benzene	5.31	0.0250	5.00		106	70-130			
Ethylbenzene	5.07	0.0250	5.00		101	70-130			
Toluene	5.20	0.0250	5.00		104	70-130			
o-Xylene	5.07	0.0250	5.00		101	70-130			
p,m-Xylene	10.3	0.0500	10.0		103	70-130			
Total Xylenes	15.3	0.0250	15.0		102	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.3	70-130			

Matrix Spike (2440011-MS1) Source: E409268-10 Prepared: 09/30/24 Analyzed: 10/01/24

Benzene	5.28	0.0250	5.00	ND	106	54-133			
Ethylbenzene	5.02	0.0250	5.00	ND	100	61-133			
Toluene	5.16	0.0250	5.00	ND	103	61-130			
o-Xylene	5.03	0.0250	5.00	ND	101	63-131			
p,m-Xylene	10.2	0.0500	10.0	ND	102	63-131			
Total Xylenes	15.2	0.0250	15.0	ND	101	63-131			
Surrogate: 4-Bromochlorobenzene-PID	7.39		8.00		92.4	70-130			

Matrix Spike Dup (2440011-MSD1) Source: E409268-10 Prepared: 09/30/24 Analyzed: 10/01/24

Benzene	5.20	0.0250	5.00	ND	104	54-133	1.53	20	
Ethylbenzene	4.96	0.0250	5.00	ND	99.2	61-133	1.30	20	
Toluene	5.09	0.0250	5.00	ND	102	61-130	1.39	20	
o-Xylene	4.96	0.0250	5.00	ND	99.3	63-131	1.31	20	
p,m-Xylene	10.0	0.0500	10.0	ND	100	63-131	1.11	20	
Total Xylenes	15.0	0.0250	15.0	ND	100	63-131	1.18	20	
Surrogate: 4-Bromochlorobenzene-PID	7.42		8.00		92.7	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 1:34:33PM

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 (2440011-BLK1) Prepared: 09/30/24 Analyzed: 10/01/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.91		8.00		98.8	70-130			

LCS (2440011-BS2) Prepared: 09/30/24 Analyzed: 10/01/24

Gasoline Range Organics (C6-C10)	44.1	20.0	50.0		88.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.99		8.00		99.8	70-130			

Matrix Spike (2440011-MS2) Source: E409268-10 Prepared: 09/30/24 Analyzed: 10/01/24

Gasoline Range Organics (C6-C10)	42.1	20.0	50.0	ND	84.2	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			

Matrix Spike Dup (2440011-MSD2) Source: E409268-10 Prepared: 09/30/24 Analyzed: 10/01/24

Gasoline Range Organics (C6-C10)	42.6	20.0	50.0	ND	85.2	70-130	1.13	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.93		8.00		99.1	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 1:34:33PM

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 (2440007-BLK1)					Prepared: 09/30/24 Analyzed: 10/02/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	54.5		50.0		109	50-200			

LCS (2440007-BS1)					Prepared: 09/30/24 Analyzed: 10/02/24				
Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	57.4		50.0		115	50-200			

Matrix Spike (2440007-MS1)					Source: E409268-05		Prepared: 09/30/24 Analyzed: 10/04/24		
Diesel Range Organics (C10-C28)	292	25.0	250	30.3	105	38-132			
Surrogate: n-Nonane	52.2		50.0		104	50-200			

Matrix Spike Dup (2440007-MSD1)					Source: E409268-05		Prepared: 09/30/24 Analyzed: 10/04/24		
Diesel Range Organics (C10-C28)	322	25.0	250	30.3	117	38-132	9.84	20	T17
Surrogate: n-Nonane	52.9		50.0		106	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 1:34:33PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2440014-BLK1)					Prepared: 09/30/24 Analyzed: 09/30/24				
Chloride	ND	20.0							
LCS (2440014-BS1)					Prepared: 09/30/24 Analyzed: 09/30/24				
Chloride	251	20.0	250		100	90-110			
Matrix Spike (2440014-MS1)					Source: E409268-05		Prepared: 09/30/24 Analyzed: 09/30/24		
Chloride	10700	200	250	11000	NR	80-120			M4
Matrix Spike Dup (2440014-MSD1)					Source: E409268-05		Prepared: 09/30/24 Analyzed: 09/30/24		
Chloride	11900	200	250	11000	350	80-120	10.5	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:	Shell 35 Federal Battery	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/04/24 13:34

- 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.
- T17 The sample chromatographic pattern does not resemble the typical fuel standard used for quantitation.
- ND Analyte NOT DETECTED at or above the reporting limit
- NR Not Reported
- RPD Relative Percent Difference
- DNI Did Not Ignite
- DNR Did not react with the addition of acid or base.

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

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





Project Information

Client: Pima Environmental Services  
Project: 5th/1135 Federal Battery  
Project Manager: Gio Gomez  
Address: 5614 N. Lovington Hwy.  
City, State, Zip: Hobbs, NM, 88240  
Phone: 806-782-1151  
Email: gio@pimaoil.com

Report due by:

Bill To  
Ridgeway  
Attention:  
Address:  
City, State, Zip  
Phone:  
Email:  
Pima Project # 7-7

Lab Use Only		Lab WO# F40268		Job Number 21064-001	
TAT		1D	2D	3D	Standard
EPA Program		CWA	SDWA		
State		NM CO UT AZ TX		X	
RCRA					
Analysis and Method		BODOC NM		BODOC TX	
DRO/DRO by 8015					
GRO/DRO by 8015					
BTEX by 8021					
VOC by 8260					
Metals 6010					
Chloride 300.0					
Remarks					

Time	Date	Matrix	No. of Containers	Sample ID	Lab Number
8:00	9/24	5		S1-1	1
8:11				S1-2	2
8:21				S1-3	3
8:29				S1-4	4
8:34				S2-1	5
8:38				S2-2	6
8:46				S2-3	7
8:51				S2-4	8
9:00				S3-1	9
9:06				S3-2	10

Additional Instructions:

8:11 to 9:11

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

Received by: (Signature) <i>Janine H. ...</i>	Date 9.27.24	Time 10:10	Received by: (Signature) <i>[Signature]</i>	Date 9.27.24	Time 11:04
Received by: (Signature) <i>[Signature]</i>	Date 9.27.24	Time 13:00	Received by: (Signature) <i>[Signature]</i>	Date 9.27.24	Time 13:00
Received by: (Signature) <i>[Signature]</i>	Date 9.27.24	Time 20:50	Received by: (Signature) <i>[Signature]</i>	Date 9.27.24	Time 8:00
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.



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Released to Imaging: 2/11/2025 8:27:38 AM

Received by OCD: 2/4/2025 3:45:30 PM

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Project Information

Chain of Custody

Client: Pima Environmental Services Project: <u>Shell 35 Federal Battery</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:	Bill To		Lab Use Only		TAT				EPA Program					
	Attention: <u>Ridgeway</u>		Lab WO#	Job Number	1D	2D	3D	Standard	CWA	SDWA				
	Address:		<u>E409268</u>	<u>210164.0001</u>										
	City, State, Zip		Analysis and Method								RCRA			
	Phone:		DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX				
Email:										State				
Pima Project # <u>7-7</u>										NM	CO	UT	AZ	TX

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
9:13	9/24	S		S3-3'	11									
9:24				S3-4'	12									
9:39				S4-1'	13									
9:44				S4-2'	14									
9:56				S4-3'	15									
10:01				S4-4'	16									
10:10				S5-1'	17									
10:17				S5-2'	18									
10:21				S5-3'	19									
10:28				S5-4'	20									

Additional Instructions: <u>Bill to Pima</u>						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.					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.						Sampled by:					
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Lab Use Only			
<u>Karime Adams</u>		9.27.24	1106	<u>[Signature]</u>		9.27.24	1106	Received on ice: <u>Y</u> / N			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	T1 _____ T2 _____ T3 _____			
<u>[Signature]</u>		9.27.24	1300	<u>[Signature]</u>		9.27.24	1300	AVG Temp °C <u>4</u>			
Relinquished by: (Signature)		Date	Time	Received by: (Signature)		Date	Time	Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA			
<u>[Signature]</u>		9.27.24	2050	<u>Carla Man</u>		9.30.24	8:00				
Sample Matrix: S - Soil, Sa - Solid, Sg - Sludge, A - Aqueous, O - Other _____											
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: 9/30/2024 9:27:23AM

## 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:	09/30/24 08:00	Work Order ID:	E409268
Phone:	(575) 631-6977	Date Logged In:	09/27/24 14:44	Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	10/04/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Project Shell 35 Federal Battery has been separated into 3 reports. WO-E409268 to E409270. No of containers and sampled by not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Gio Gomez



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*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shell 35 Federal Battery

Work Order: E409269

Job Number: 21064-0001

Received: 9/30/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/4/24

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: 10/4/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Shell 35 Federal Battery  
Workorder: E409269  
Date Received: 9/30/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2024 8:00:00AM, under the Project Name: Shell 35 Federal Battery.

The analytical test results summarized in this report with the Project Name: Shell 35 Federal Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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

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

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/04/24 10:27

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S6-1'	E409269-01A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S6-2'	E409269-02A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S6-3'	E409269-03A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S6-4'	E409269-04A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S7-1'	E409269-05A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S7-2'	E409269-06A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S7-3'	E409269-07A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S7-4'	E409269-08A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S8-1'	E409269-09A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S8-2'	E409269-10A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S8-3'	E409269-11A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S8-4'	E409269-12A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S9-1'	E409269-13A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S9-2'	E409269-14A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S9-3'	E409269-15A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S9-4'	E409269-16A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S10-1'	E409269-17A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S10-2'	E409269-18A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S10-3'	E409269-19A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S10-4'	E409269-20A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

**S6-1'**

**E409269-01**

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.125	5	09/30/24	10/02/24	
Ethylbenzene	17.1	0.125	5	09/30/24	10/02/24	
Toluene	4.61	0.125	5	09/30/24	10/02/24	
o-Xylene	5.72	0.125	5	09/30/24	10/02/24	
p,m-Xylene	10.4	0.250	5	09/30/24	10/02/24	
Total Xylenes	16.2	0.125	5	09/30/24	10/02/24	
Surrogate: 4-Bromochlorobenzene-PID	95.5 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	232	100	5	09/30/24	10/02/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	103 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	15900	250	10	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	7120	500	10	09/30/24	10/02/24	
Surrogate: n-Nonane	140 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	10800	200	10	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S6-2'

E409269-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	<b>0.301</b>	0.0250	1	09/30/24	10/03/24	
Toluene	<b>0.0518</b>	0.0250	1	09/30/24	10/03/24	
o-Xylene	<b>0.0825</b>	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	<b>0.187</b>	0.0500	1	09/30/24	10/03/24	
Total Xylenes	<b>0.269</b>	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.3 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	100 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	<b>898</b>	125	5	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	<b>936</b>	250	5	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	112 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	<b>4010</b>	40.0	2	09/30/24	09/30/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 10:27:40AM
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S6-3'

E409269-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	87.0 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.5 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	95.1 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	7660	100	5	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S6-4'

E409269-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.1 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.8 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	96.3 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	488	20.0	1	09/30/24	09/30/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 10:27:40AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S7-1'

E409269-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.4 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.8 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	99.4 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	14400	200	10	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S7-2'

E409269-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.9 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.3 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	54.5	50.0	2	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	100	2	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	94.5 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	464	20.0	1	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S7-3'

E409269-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	89.0 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	101 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	87.0 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	8910	200	10	09/30/24	09/30/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 10:27:40AM
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S7-4'

E409269-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
Surrogate: 4-Bromochlorobenzene-PID	90.9 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.7 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	210	50.0	2	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	176	100	2	09/30/24	10/02/24	
Surrogate: n-Nonane	106 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	940	20.0	1	09/30/24	09/30/24	





Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 10:27:40AM
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S8-1'

E409269-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.6 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.2 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	95.4 %	50-200		09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	10100	200	10	09/30/24	09/30/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 10:27:40AM
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S8-2'

E409269-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.0 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	89.6 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	432	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S8-3'

E409269-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.2 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.2 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	93.8 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	13400	200	10	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S8-4'

E409269-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.0 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	98.1 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	169	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	146	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	103 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	968	20.0	1	09/30/24	10/01/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S9-1'

E409269-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0500	2	09/30/24	10/03/24	
Ethylbenzene	<b>0.106</b>	0.0500	2	09/30/24	10/03/24	
Toluene	ND	0.0500	2	09/30/24	10/03/24	
o-Xylene	<b>0.181</b>	0.0500	2	09/30/24	10/03/24	
p,m-Xylene	<b>0.384</b>	0.100	2	09/30/24	10/03/24	
Total Xylenes	<b>0.564</b>	0.0500	2	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.1 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	<b>43.7</b>	40.0	2	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.7 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	<b>14900</b>	250	10	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	<b>8330</b>	500	10	09/30/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	120 %	50-200		09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	<b>1800</b>	20.0	1	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 10:27:40AM
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S9-2'

E409269-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	88.2 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	99.7 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	27.0	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	77.8	50.0	1	09/30/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	97.3 %	50-200		09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	464	20.0	1	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 10:27:40AM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S9-3'

E409269-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
Surrogate: 4-Bromochlorobenzene-PID	91.6 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	98.3 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	34.1	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
Surrogate: n-Nonane	95.4 %	50-200		09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	358	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S9-4'

E409269-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	92.1 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.7 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	54.1	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	8790	200	10	09/30/24	10/01/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S10-1'

E409269-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0500	2	09/30/24	10/03/24	
Ethylbenzene	<b>0.479</b>	0.0500	2	09/30/24	10/03/24	
Toluene	<b>0.0560</b>	0.0500	2	09/30/24	10/03/24	
o-Xylene	<b>0.489</b>	0.0500	2	09/30/24	10/03/24	
p,m-Xylene	<b>0.730</b>	0.100	2	09/30/24	10/03/24	
Total Xylenes	<b>1.22</b>	0.0500	2	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	97.2 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	<b>65.8</b>	40.0	2	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	103 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	<b>15900</b>	125	5	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	<b>8320</b>	250	5	09/30/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	125 %	50-200		09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	<b>2090</b>	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 10:27:40AM

S10-2'

E409269-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.8 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	97.4 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	57.8	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	137	50.0	1	09/30/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	456	20.0	1	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 10:27:40AM
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S10-3'

E409269-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	0.0435	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	0.0281	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	0.0281	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	91.7 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.4 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	3250	125	5	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	2700	250	5	09/30/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	111 %	50-200		09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	3420	40.0	2	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 10:27:40AM
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S10-4'

E409269-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Benzene	ND	0.0250	1	09/30/24	10/03/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/03/24	
Toluene	ND	0.0250	1	09/30/24	10/03/24	
o-Xylene	ND	0.0250	1	09/30/24	10/03/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/03/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/03/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	90.3 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440013	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/03/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.6 %	70-130		09/30/24	10/03/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: AF		Batch: 2440006	
Diesel Range Organics (C10-C28)	304	125	5	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	486	250	5	09/30/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
	92.2 %	50-200		09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: DT		Batch: 2440018	
Chloride	2380	20.0	1	09/30/24	10/01/24	





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 10:27:40AM

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 (2440013-BLK1)

Prepared: 09/30/24 Analyzed: 10/02/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							

Surrogate: 4-Bromochlorobenzene-PID 7.09 8.00 88.6 70-130

LCS (2440013-BS1)

Prepared: 09/30/24 Analyzed: 10/02/24

Benzene	5.07	0.0250	5.00		101	70-130			
Ethylbenzene	4.86	0.0250	5.00		97.1	70-130			
Toluene	4.97	0.0250	5.00		99.3	70-130			
o-Xylene	4.83	0.0250	5.00		96.6	70-130			
p,m-Xylene	9.85	0.0500	10.0		98.5	70-130			
Total Xylenes	14.7	0.0250	15.0		97.9	70-130			

Surrogate: 4-Bromochlorobenzene-PID 7.18 8.00 89.8 70-130

Matrix Spike (2440013-MS1)

Source: E409269-07

Prepared: 09/30/24 Analyzed: 10/02/24

Benzene	5.37	0.0250	5.00	ND	107	54-133			
Ethylbenzene	5.14	0.0250	5.00	ND	103	61-133			
Toluene	5.26	0.0250	5.00	ND	105	61-130			
o-Xylene	5.12	0.0250	5.00	ND	102	63-131			
p,m-Xylene	10.4	0.0500	10.0	ND	104	63-131			
Total Xylenes	15.5	0.0250	15.0	ND	103	63-131			

Surrogate: 4-Bromochlorobenzene-PID 7.14 8.00 89.3 70-130

Matrix Spike Dup (2440013-MSD1)

Source: E409269-07

Prepared: 09/30/24 Analyzed: 10/02/24

Benzene	5.29	0.0250	5.00	ND	106	54-133	1.38	20	
Ethylbenzene	5.08	0.0250	5.00	ND	102	61-133	1.13	20	
Toluene	5.19	0.0250	5.00	ND	104	61-130	1.21	20	
o-Xylene	5.05	0.0250	5.00	ND	101	63-131	1.31	20	
p,m-Xylene	10.3	0.0500	10.0	ND	103	63-131	1.09	20	
Total Xylenes	15.3	0.0250	15.0	ND	102	63-131	1.16	20	

Surrogate: 4-Bromochlorobenzene-PID 7.16 8.00 89.5 70-130



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 10:27:40AM

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 (2440013-BLK1) Prepared: 09/30/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.94		8.00		99.3	70-130			

LCS (2440013-BS2) Prepared: 09/30/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	42.0	20.0	50.0		83.9	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.15		8.00		102	70-130			

Matrix Spike (2440013-MS2) Source: E409269-07 Prepared: 09/30/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	42.2	20.0	50.0	ND	84.5	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.07		8.00		101	70-130			

Matrix Spike Dup (2440013-MSD2) Source: E409269-07 Prepared: 09/30/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	38.2	20.0	50.0	ND	76.3	70-130	10.2	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	8.09		8.00		101	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 10:27:40AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2440006-BLK1)					Prepared: 09/30/24 Analyzed: 10/02/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	48.5		50.0		97.0	50-200			

LCS (2440006-BS1)					Prepared: 09/30/24 Analyzed: 10/02/24				
Diesel Range Organics (C10-C28)	249	25.0	250		99.6	38-132			
Surrogate: n-Nonane	50.0		50.0		100	50-200			

Matrix Spike (2440006-MS1)					Source: E409269-04		Prepared: 09/30/24 Analyzed: 10/02/24		
Diesel Range Organics (C10-C28)	270	25.0	250	ND	108	38-132			
Surrogate: n-Nonane	51.9		50.0		104	50-200			

Matrix Spike Dup (2440006-MSD1)					Source: E409269-04		Prepared: 09/30/24 Analyzed: 10/02/24		
Diesel Range Organics (C10-C28)	263	25.0	250	ND	105	38-132	2.71	20	
Surrogate: n-Nonane	51.8		50.0		104	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 10:27:40AM

Anions by EPA 300.0/9056A

Analyst: DT

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

Blank (2440018-BLK1)					Prepared: 09/30/24 Analyzed: 09/30/24				
Chloride	ND	20.0							
LCS (2440018-BS1)					Prepared: 09/30/24 Analyzed: 09/30/24				
Chloride	253	20.0	250		101	90-110			
Matrix Spike (2440018-MS1)					Source: E409269-05		Prepared: 09/30/24 Analyzed: 09/30/24		
Chloride	14700	200	250	14400	129	80-120			M4
Matrix Spike Dup (2440018-MSD1)					Source: E409269-05		Prepared: 09/30/24 Analyzed: 09/30/24		
Chloride	12500	200	250	14400	NR	80-120	16.3	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:	Shell 35 Federal Battery	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/04/24 10:27

- 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.

Released to Imaging: 2/11/2025 8:27:38 AM

Project Information

Chain of Custody

Client: Pima Environmental Services  
Project: Shell 35 Federal Battery  
Project Manager: Gio Gomez  
Address: 5614 N. Lovington Hwy.  
City, State, Zip: Hobbs, NM. 88240  
Phone: 806-782-1151  
Email: gio@pimaoil.com  
Report due by: \_\_\_\_\_

Attention: Ridgeway  
Address: \_\_\_\_\_  
City, State, Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Email: \_\_\_\_\_  
Pima Project # 7-7

Lab Use Only  
Lab WO# E 409 269 Job Number 21004-0001  
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

TAT  
1D 2D 3D Standard  
X

EPA Program  
CWA SDWA  
RCRA  
State  
NM CO UT AZ TX  
Remarks

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number
10:36	9/24	S		S6-1'	1
10:41				S6-2'	2
10:50				S6-3'	3
10:56				S6-4'	4
11:04				S7-1'	5
11:11				S7-2'	6
11:17				S7-3'	7
11:21				S7-4'	8
11:30				S8-1'	9
11:36				S8-2'	10

Additional Instructions:  
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.  
Bill to Pima  
Relinquished by: (Signature) Terrence Hane Date 9-27-24 Time 11:06  
Relinquished by: (Signature) Che Date 9-27-24 Time 1300  
Relinquished by: (Signature) [Signature] Date 9-27-24 Time 2050  
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other \_\_\_\_\_  
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.

Sampled by: \_\_\_\_\_  
Received on ice: Y N  
T1 \_\_\_\_\_ T2 \_\_\_\_\_ T3 \_\_\_\_\_  
AVG Temp °C 4  
Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA

## Project Information

## Chain of Custody

Client: Pima Environmental Services Project: <u>Shell 35 Federal Battery</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM. 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by: _____					Attention: <u>Bill To Ridgeway</u> Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # <u>7-7</u>					Lab Use Only Lab WO# <u>E409269</u> Job Number <u>21064-0001</u> Analysis and Method						TAT 1D 2D 3D Standard <u>X</u>				EPA Program CWA SDWA RCRA	
					NM CO UT AZ TX <u>X</u>						State NM CO UT AZ TX <u>X</u>				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								
11:40	9/24	S		S8-3'	11							X									
11:48				S8-4'	12																
11:56				S9-1'	13																
12:00				S9-2'	14																
12:11				S9-3'	15																
12:18				S9-4'	16																
12:21				S10-1'	17																
12:30				S10-2'	18																
12:36				S10-3'	19																
12:41				S10-4'	20																
Additional Instructions: <u>Bill to Pima</u>																					
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.											Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.										
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-27-24</u> Time <u>1106</u>					Received by: (Signature) <u>[Signature]</u> Date <u>9-27-24</u> Time <u>1106</u>					Lab Use Only Received on ice: <u>(Y) / N</u>											
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-27-24</u> Time <u>1300</u>					Received by: (Signature) <u>[Signature]</u> Date <u>9-27-24</u> Time <u>1300</u>					T1 _____ T2 _____ T3 _____											
Relinquished by: (Signature) <u>[Signature]</u> Date <u>9-27-24</u> Time <u>2050</u>					Received by: (Signature) <u>[Signature]</u> Date <u>9-30-24</u> Time <u>8:00</u>					AVG Temp °C <u>4</u>											
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____											Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA										
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																					

## Envirotech Analytical Laboratory

Printed: 9/30/2024 9:43:23AM

## 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:	09/30/24 08:00	Work Order ID:	E409269
Phone:	(575) 631-6977	Date Logged In:	09/27/24 15:03	Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	10/04/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CouierSample 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? No

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 InstructionComments/Resolution

Project Shell 35 Federal Battery has been separated into 3 reports. WO-E409268 to E409270. No of containers and sampled by not provided on COC.

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

Date



envirotech Inc.



Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shell 35 Federal Battery

Work Order: E409270

Job Number: 21064-0001

Received: 9/30/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
10/4/24

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: 10/4/24

Gio Gomez  
PO Box 247  
Plains, TX 79355-0247



Project Name: Shell 35 Federal Battery  
Workorder: E409270  
Date Received: 9/30/2024 8:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 9/30/2024 8:00:00AM, under the Project Name: Shell 35 Federal Battery.

The analytical test results summarized in this report with the Project Name: Shell 35 Federal Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

**Walter Hinchman**  
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[whinchman@envirotech-inc.com](mailto:whinchman@envirotech-inc.com)

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/04/24 12:35
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S11-1'	E409270-01A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S11-2'	E409270-02A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S11-3'	E409270-03A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S11-4'	E409270-04A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S12-1'	E409270-05A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S12-2'	E409270-06A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S12-3'	E409270-07A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S12-4'	E409270-08A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S13-1'	E409270-09A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S13-2'	E409270-10A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S13-3'	E409270-11A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S13-4'	E409270-12A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S14-1'	E409270-13A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S14-2'	E409270-14A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S14-3'	E409270-15A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
S14-4'	E409270-16A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
SW1 COMP	E409270-17A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
SW2 COMP	E409270-18A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
SW3 COMP	E409270-19A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
SW4 COMP	E409270-20A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
SW5 COMP	E409270-21A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
SW6 COMP	E409270-22A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.
BG1 COMP	E409270-23A	Soil	09/24/24	09/30/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

### S11-1' E409270-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2440016
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: CG		Batch: 2440016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.2 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		105 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: WF		Batch: 2440019
Chloride	7940	200	10	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

S11-2'

E409270-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>		mg/kg	mg/kg	Analyst: CG		Batch: 2440016
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		102 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>		mg/kg	mg/kg	Analyst: CG		Batch: 2440016
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		97.1 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>		mg/kg	mg/kg	Analyst: NV		Batch: 2440005
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>		112 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>		mg/kg	mg/kg	Analyst: WF		Batch: 2440019
Chloride	2010	20.0	1	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

S11-3'

E409270-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.8 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		112 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	2520	40.0	2	09/30/24	09/30/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 12:35:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S11-4'

E409270-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	32.1	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		113 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	8590	200	10	09/30/24	09/30/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 12:35:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S12-1'

E409270-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.9 %	70-130		09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.7 %	70-130		09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	593	125	5	09/30/24	10/04/24	
Oil Range Organics (C28-C36)	1510	250	5	09/30/24	10/04/24	
<i>Surrogate: n-Nonane</i>						
	113 %	50-200		09/30/24	10/04/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	1610	200	10	09/30/24	09/30/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

S12-2'

E409270-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	<b>0.207</b>	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	<b>0.136</b>	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	<b>0.174</b>	0.0500	1	09/30/24	10/01/24	
Total Xylenes	<b>0.310</b>	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.7 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	<b>6990</b>	125	5	09/30/24	10/04/24	
Oil Range Organics (C28-C36)	<b>5730</b>	250	5	09/30/24	10/04/24	
<i>Surrogate: n-Nonane</i>						
		125 %	50-200	09/30/24	10/04/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	<b>426</b>	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

S12-3'

E409270-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		102 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		116 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	26.8	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

S12-4'

E409270-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		101 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	884	250	10	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	706	500	10	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		108 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	872	20.0	1	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 12:35:47PM
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S13-1'

E409270-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/01/24	
Toluene	ND	0.0250	1	09/30/24	10/01/24	
o-Xylene	ND	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/01/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/01/24	
Surrogate: 4-Bromochlorobenzene-PID	99.9 %	70-130		09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.0 %	70-130		09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	311	125	5	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	707	250	5	09/30/24	10/02/24	
Surrogate: n-Nonane	127 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	1350	200	10	09/30/24	10/01/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 12:35:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S13-2'

E409270-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/01/24	
Ethylbenzene	0.219	0.0250	1	09/30/24	10/01/24	
Toluene	0.0289	0.0250	1	09/30/24	10/01/24	
o-Xylene	0.146	0.0250	1	09/30/24	10/01/24	
p,m-Xylene	0.195	0.0500	1	09/30/24	10/01/24	
Total Xylenes	0.341	0.0250	1	09/30/24	10/01/24	
Surrogate: 4-Bromochlorobenzene-PID	103 %	70-130		09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/01/24	
Surrogate: 1-Chloro-4-fluorobenzene-FID	94.5 %	70-130		09/30/24	10/01/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	6550	125	5	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	5810	250	5	09/30/24	10/02/24	
Surrogate: n-Nonane	135 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	395	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

S13-3'

E409270-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	99.1 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	96.0 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	101 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	20.5	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

S13-4'

E409270-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
	103 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
	95.5 %	70-130		09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	1580	250	10	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	1430	500	10	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
	109 %	50-200		09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	847	20.0	1	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 12:35:47PM
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S14-1'

E409270-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.1 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	528	500	20	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	1320	1000	20	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		111 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	1350	200	10	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 12:35:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S14-2'

E409270-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	0.149	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	0.0958	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	0.119	0.0500	1	09/30/24	10/02/24	
Total Xylenes	0.214	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		94.0 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	3940	125	5	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	3310	250	5	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		126 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	435	20.0	1	09/30/24	10/01/24	





Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 12:35:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

S14-3'

E409270-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.4 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		99.2 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	29.0	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

S14-4'

E409270-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.0 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	176	50.0	2	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	172	100	2	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		103 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	919	20.0	1	09/30/24	10/01/24	



Sample Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 10/4/2024 12:35:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

SW1 COMP  
E409270-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>		105 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>		94.4 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>		108 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	ND	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

## SW2 COMP

E409270-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		105 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.3 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	ND	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

## SW3 COMP

E409270-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		103 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		96.6 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
<i>Surrogate: n-Nonane</i>						
		98.6 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	39.4	20.0	1	09/30/24	10/01/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

## SW4 COMP

## E409270-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organics by EPA 8021B</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
<i>Surrogate: 4-Bromochlorobenzene-PID</i>						
		104 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg	Analyst: CG		Batch: 2440016	
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
<i>Surrogate: 1-Chloro-4-fluorobenzene-FID</i>						
		95.2 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg	Analyst: NV		Batch: 2440005	
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/03/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/03/24	
<i>Surrogate: n-Nonane</i>						
		106 %	50-200	09/30/24	10/03/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg	Analyst: WF		Batch: 2440019	
Chloride	ND	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

## SW5 COMP

## E409270-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		115 %	70-130	09/30/24	10/02/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	09/30/24	10/02/24	
Surrogate: Toluene-d8		110 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		115 %	70-130	09/30/24	10/02/24	
Surrogate: 1,2-Dichloroethane-d4		92.2 %	70-130	09/30/24	10/02/24	
Surrogate: Toluene-d8		110 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
Surrogate: n-Nonane		103 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440020
Chloride	ND	20.0	1	09/30/24	09/30/24	



Sample Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 10/4/2024 12:35:47PM
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SW6 COMP  
E409270-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		115 %	70-130	09/30/24	10/02/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	09/30/24	10/02/24	
Surrogate: Toluene-d8		110 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		115 %	70-130	09/30/24	10/02/24	
Surrogate: 1,2-Dichloroethane-d4		91.2 %	70-130	09/30/24	10/02/24	
Surrogate: Toluene-d8		110 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
Surrogate: n-Nonane		96.2 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440020
Chloride	20.1	20.0	1	09/30/24	10/01/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
10/4/2024 12:35:47PM

## BG1 COMP

E409270-23

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440017
Benzene	ND	0.0250	1	09/30/24	10/02/24	
Ethylbenzene	ND	0.0250	1	09/30/24	10/02/24	
Toluene	ND	0.0250	1	09/30/24	10/02/24	
o-Xylene	ND	0.0250	1	09/30/24	10/02/24	
p,m-Xylene	ND	0.0500	1	09/30/24	10/02/24	
Total Xylenes	ND	0.0250	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		117 %	70-130	09/30/24	10/02/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/30/24	10/02/24	
Surrogate: Toluene-d8		111 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2440017
Gasoline Range Organics (C6-C10)	ND	20.0	1	09/30/24	10/02/24	
Surrogate: Bromofluorobenzene		117 %	70-130	09/30/24	10/02/24	
Surrogate: 1,2-Dichloroethane-d4		94.8 %	70-130	09/30/24	10/02/24	
Surrogate: Toluene-d8		111 %	70-130	09/30/24	10/02/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: NV		Batch: 2440004
Diesel Range Organics (C10-C28)	ND	25.0	1	09/30/24	10/02/24	
Oil Range Organics (C28-C36)	ND	50.0	1	09/30/24	10/02/24	
Surrogate: n-Nonane		104 %	50-200	09/30/24	10/02/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2440020
Chloride	ND	20.0	1	09/30/24	10/01/24	



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 12:35:47PM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2440017-BLK1) Prepared: 09/30/24 Analyzed: 10/02/24

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	0.590		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

LCS (2440017-BS1) Prepared: 09/30/24 Analyzed: 10/02/24

Benzene	2.41	0.0250	2.50		96.2	70-130			
Ethylbenzene	2.43	0.0250	2.50		97.3	70-130			
Toluene	2.47	0.0250	2.50		98.8	70-130			
o-Xylene	2.57	0.0250	2.50		103	70-130			
p,m-Xylene	5.16	0.0500	5.00		103	70-130			
Total Xylenes	7.73	0.0250	7.50		103	70-130			
Surrogate: Bromofluorobenzene	0.598		0.500		120	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.480		0.500		96.0	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			

Matrix Spike (2440017-MS1) Source: E409272-03 Prepared: 09/30/24 Analyzed: 10/02/24

Benzene	2.49	0.0250	2.50	ND	99.7	48-131			
Ethylbenzene	2.49	0.0250	2.50	ND	99.7	45-135			
Toluene	2.52	0.0250	2.50	ND	101	48-130			
o-Xylene	2.61	0.0250	2.50	ND	104	43-135			
p,m-Xylene	5.18	0.0500	5.00	ND	104	43-135			
Total Xylenes	7.79	0.0250	7.50	ND	104	43-135			
Surrogate: Bromofluorobenzene	0.586		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.503		0.500		101	70-130			
Surrogate: Toluene-d8	0.547		0.500		109	70-130			

Matrix Spike Dup (2440017-MSD1) Source: E409272-03 Prepared: 09/30/24 Analyzed: 10/02/24

Benzene	2.45	0.0250	2.50	ND	97.8	48-131	1.84	23	
Ethylbenzene	2.50	0.0250	2.50	ND	100	45-135	0.380	27	
Toluene	2.55	0.0250	2.50	ND	102	48-130	1.06	24	
o-Xylene	2.57	0.0250	2.50	ND	103	43-135	1.56	27	
p,m-Xylene	5.13	0.0500	5.00	ND	103	43-135	0.961	27	
Total Xylenes	7.70	0.0250	7.50	ND	103	43-135	1.16	27	
Surrogate: Bromofluorobenzene	0.582		0.500		116	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.479		0.500		95.7	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 12:35:47PM

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 (2440016-BLK1) Prepared: 09/30/24 Analyzed: 10/01/24

Benzene	ND	0.0250							
Ethylbenzene	ND	0.0250							
Toluene	ND	0.0250							
o-Xylene	ND	0.0250							
p,m-Xylene	ND	0.0500							
Total Xylenes	ND	0.0250							
Surrogate: 4-Bromochlorobenzene-PID	7.70		8.00		96.2	70-130			

LCS (2440016-BS1) Prepared: 09/30/24 Analyzed: 10/01/24

Benzene	5.41	0.0250	5.00		108	70-130			
Ethylbenzene	5.15	0.0250	5.00		103	70-130			
Toluene	5.29	0.0250	5.00		106	70-130			
o-Xylene	5.15	0.0250	5.00		103	70-130			
p,m-Xylene	10.4	0.0500	10.0		104	70-130			
Total Xylenes	15.6	0.0250	15.0		104	70-130			
Surrogate: 4-Bromochlorobenzene-PID	7.72		8.00		96.5	70-130			

Matrix Spike (2440016-MS1) Source: E409270-10 Prepared: 09/30/24 Analyzed: 10/01/24

Benzene	5.42	0.0250	5.00	ND	108	54-133			
Ethylbenzene	5.41	0.0250	5.00	0.219	104	61-133			
Toluene	5.35	0.0250	5.00	0.0289	106	61-130			
o-Xylene	5.33	0.0250	5.00	0.146	104	63-131			
p,m-Xylene	10.7	0.0500	10.0	0.195	105	63-131			
Total Xylenes	16.0	0.0250	15.0	0.341	105	63-131			
Surrogate: 4-Bromochlorobenzene-PID	8.33		8.00		104	70-130			

Matrix Spike Dup (2440016-MSD1) Source: E409270-10 Prepared: 09/30/24 Analyzed: 10/01/24

Benzene	5.80	0.0250	5.00	ND	116	54-133	6.83	20	
Ethylbenzene	5.75	0.0250	5.00	0.219	111	61-133	6.16	20	
Toluene	5.71	0.0250	5.00	0.0289	114	61-130	6.57	20	
o-Xylene	5.67	0.0250	5.00	0.146	111	63-131	6.33	20	
p,m-Xylene	11.4	0.0500	10.0	0.195	112	63-131	6.07	20	
Total Xylenes	17.1	0.0250	15.0	0.341	111	63-131	6.16	20	
Surrogate: 4-Bromochlorobenzene-PID	8.26		8.00		103	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 12:35:47PM

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 (2440016-BLK1) Prepared: 09/30/24 Analyzed: 10/01/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.77		8.00		97.1	70-130			

LCS (2440016-BS2) Prepared: 09/30/24 Analyzed: 10/01/24

Gasoline Range Organics (C6-C10)	44.9	20.0	50.0		89.7	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.79		8.00		97.4	70-130			

Matrix Spike (2440016-MS2) Source: E409270-10 Prepared: 09/30/24 Analyzed: 10/01/24

Gasoline Range Organics (C6-C10)	57.7	20.0	50.0	ND	115	70-130			
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.61		8.00		95.2	70-130			

Matrix Spike Dup (2440016-MSD2) Source: E409270-10 Prepared: 09/30/24 Analyzed: 10/01/24

Gasoline Range Organics (C6-C10)	56.8	20.0	50.0	ND	114	70-130	1.52	20	
Surrogate: 1-Chloro-4-fluorobenzene-FID	7.67		8.00		95.9	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:  10/4/2024 12:35:47PM
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2440017-BLK1) Prepared: 09/30/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.590		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.466		0.500		93.2	70-130			
Surrogate: Toluene-d8	0.548		0.500		110	70-130			

LCS (2440017-BS2) Prepared: 09/30/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	58.5	20.0	50.0		117	70-130			
Surrogate: Bromofluorobenzene	0.585		0.500		117	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.460		0.500		92.0	70-130			
Surrogate: Toluene-d8	0.566		0.500		113	70-130			

Matrix Spike (2440017-MS2) Source: E409272-03 Prepared: 09/30/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	60.3	20.0	50.0	ND	121	70-130			
Surrogate: Bromofluorobenzene	0.592		0.500		118	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.462		0.500		92.3	70-130			
Surrogate: Toluene-d8	0.562		0.500		112	70-130			

Matrix Spike Dup (2440017-MSD2) Source: E409272-03 Prepared: 09/30/24 Analyzed: 10/02/24

Gasoline Range Organics (C6-C10)	58.5	20.0	50.0	ND	117	70-130	3.07	20	
Surrogate: Bromofluorobenzene	0.596		0.500		119	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.469		0.500		93.8	70-130			
Surrogate: Toluene-d8	0.563		0.500		113	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 12:35:47PM

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 (2440004-BLK1) Prepared: 09/30/24 Analyzed: 10/02/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	52.7		50.0		105	50-200			

LCS (2440004-BS1) Prepared: 09/30/24 Analyzed: 10/02/24

Diesel Range Organics (C10-C28)	283	25.0	250		113	38-132			
Surrogate: n-Nonane	54.9		50.0		110	50-200			

Matrix Spike (2440004-MS1) Source: E409270-22 Prepared: 09/30/24 Analyzed: 10/02/24

Diesel Range Organics (C10-C28)	299	25.0	250	ND	120	38-132			
Surrogate: n-Nonane	54.6		50.0		109	50-200			

Matrix Spike Dup (2440004-MSD1) Source: E409270-22 Prepared: 09/30/24 Analyzed: 10/02/24

Diesel Range Organics (C10-C28)	313	25.0	250	ND	125	38-132	4.71	20	
Surrogate: n-Nonane	56.2		50.0		112	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 12:35:47PM

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 (2440005-BLK1) Prepared: 09/30/24 Analyzed: 10/02/24

Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.5		50.0		113	50-200			

LCS (2440005-BS1) Prepared: 09/30/24 Analyzed: 10/02/24

Diesel Range Organics (C10-C28)	281	25.0	250		112	38-132			
Surrogate: n-Nonane	57.4		50.0		115	50-200			

Matrix Spike (2440005-MS1) Source: E409270-03 Prepared: 09/30/24 Analyzed: 10/02/24

Diesel Range Organics (C10-C28)	330	25.0	250	ND	132	38-132			
Surrogate: n-Nonane	60.8		50.0		122	50-200			

Matrix Spike Dup (2440005-MSD1) Source: E409270-03 Prepared: 09/30/24 Analyzed: 10/02/24

Diesel Range Organics (C10-C28)	333	25.0	250	ND	133	38-132	0.664	20	M1
Surrogate: n-Nonane	58.7		50.0		117	50-200			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 12:35:47PM

Anions by EPA 300.0/9056A

Analyst: WF

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

Blank (2440019-BLK1)					Prepared: 09/30/24 Analyzed: 09/30/24				
Chloride	ND	20.0							
LCS (2440019-BS1)					Prepared: 09/30/24 Analyzed: 09/30/24				
Chloride	262	20.0	250		105	90-110			
Matrix Spike (2440019-MS1)					Source: E409270-03		Prepared: 09/30/24 Analyzed: 09/30/24		
Chloride	2690	40.0	250	2520	66.0	80-120			M4
Matrix Spike Dup (2440019-MSD1)					Source: E409270-03		Prepared: 09/30/24 Analyzed: 09/30/24		
Chloride	2710	40.0	250	2520	75.9	80-120	0.916	20	M4



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/4/2024 12:35:47PM

Anions by EPA 300.0/9056A

Analyst: JM

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 (2440020-BLK1)					Prepared: 09/30/24 Analyzed: 09/30/24				
Chloride	ND	20.0							
LCS (2440020-BS1)					Prepared: 09/30/24 Analyzed: 09/30/24				
Chloride	256	20.0	250		103	90-110			
Matrix Spike (2440020-MS1)					Source: E409271-02		Prepared: 09/30/24 Analyzed: 09/30/24		
Chloride	418	20.0	250	155	105	80-120			
Matrix Spike Dup (2440020-MSD1)					Source: E409271-02		Prepared: 09/30/24 Analyzed: 09/30/24		
Chloride	383	20.0	250	155	91.2	80-120	8.58	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	10/04/24 12:35

- M1 Matrix spike recovery was above acceptance limits. The associated LCS spike recovery was acceptable.
- 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.

## Project Information

## Chain of Custody

Client: Pima Environmental Services		Attention: <u>Ridgeway</u>		Lab Use Only		TAT				EPA Program			
Project: <u>Shell 35 Federal Battery</u>		Address: _____		Lab WO# <u>E409270</u>		Job Number <u>21064-000</u>		1D	2D	3D	Standard	CWA	SDWA
Project Manager: <u>Gio Gomez</u>		City, State, Zip _____		Analysis and Method									
Address: <u>5614 N. Lovington Hwy.</u>		Phone: _____											RCRA
City, State, Zip <u>Hobbs, NM, 88240</u>		Email: _____											
Phone: <u>806-782-1151</u>		Pima Project # <u>7-7</u>											
Email: <u>gio@pimaoil.com</u>													
Report due by: _____													

Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/DRO by 8015	GRO/DRO by 8015	BTEX by 8021	VOC by 8260	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX	Remarks
12:48	9/24	S		S11-1'	1							X		
12:52				S11-2'	2									
12:59				S11-3'	3									
1:06				S11-4'	4									
1:11				S12-1'	5									
1:21				S12-2'	6									
1:28				S12-3'	7									
1:29				S12-4'	8									
1:36				S13-1'	9									
1:39				S13-2'	10									

## Additional Instructions:

Bill to Pima

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

Sampled by:

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

Relinquished by: (Signature) <u>Krime Adams</u>	Date <u>9-27-24</u>	Time <u>11:00</u>	Received by: (Signature) <u>C. Dew</u>	Date <u>9-27-24</u>	Time <u>11:00</u>	Lab Use Only
Relinquished by: (Signature) <u>C. Dew</u>	Date <u>9-27-24</u>	Time <u>1300</u>	Received by: (Signature) <u>C. Dew</u>	Date <u>9-27-24</u>	Time <u>1300</u>	Received on ice: <u>(Y) / N</u>
Relinquished by: (Signature) <u>C. Dew</u>	Date <u>9-27-24</u>	Time <u>2050</u>	Received by: (Signature) <u>Chalk Man</u>	Date <u>9-30-24</u>	Time <u>8:00</u>	T1 _____ T2 _____ T3 _____
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____						AVG Temp °C <u>4</u>

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

Project Information

Chain of Custody

<b>Client:</b> Pima Environmental Services <b>Project:</b> Shell 35 Federal Battery <b>Project Manager:</b> Gio Gomez <b>Address:</b> 5614 N. Lovington Hwy. <b>City, State, Zip:</b> Hobbs, NM, 88240 <b>Phone:</b> 806-782-1151 <b>Email:</b> gio@pimaoil.com <b>Report due by:</b>					<b>Attention:</b> <u>Ridgeway</u> <b>Address:</b> <b>City, State, Zip:</b> <b>Phone:</b> <b>Email:</b> <b>Pima Project #</b> <u>7-7</u>					<b>Lab Use Only</b> <b>Lab WO#</b> <u>E409270</u> <b>Job Number</b> <u>21064-001</u> <b>Analysis and Method</b>					<b>TAT</b> <b>1D</b> <input type="checkbox"/> <b>2D</b> <input type="checkbox"/> <b>3D</b> <input type="checkbox"/> <b>Standard</b> <input checked="" type="checkbox"/>				<b>EPA Program</b> <b>CWA</b> <input type="checkbox"/> <b>SDWA</b> <input type="checkbox"/> <b>RCRA</b> <input type="checkbox"/>	
															<b>State</b> <b>NM</b> <input checked="" type="checkbox"/> <b>CO</b> <input type="checkbox"/> <b>UT</b> <input type="checkbox"/> <b>AZ</b> <input type="checkbox"/> <b>TX</b> <input type="checkbox"/>					
<b>Time Sampled</b>	<b>Date Sampled</b>	<b>Matrix</b>	<b>No. of Containers</b>	<b>Sample ID</b>	<b>Lab Number</b>	<b>DRO/ORO by 8015</b>	<b>GRO/DRO by 8015</b>	<b>BTEX by 8021</b>	<b>VOC by 8260</b>	<b>Metals 6010</b>	<b>Chloride 300.0</b>	<b>BGDOC NM</b>	<b>BGDOC TX</b>	<b>Remarks</b>						
1:42	9/24	S		S13-3'	11							X								
1:48				S13-4'	12															
1:56				S14-1'	13															
1:59				S14-2'	14															
2:04				S14-3'	15															
2:12				S14-4'	16															
2:21				SW1 comp.	17															
2:28				SW2 comp.	18															
2:34				SW3 comp.	19															
2:50				SW4 comp.	20															
<b>Additional Instructions:</b> <u>Bill to Pima</u>																				
I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action.												Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 6 °C on subsequent days.								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		Lab Use Only								
<u>Carine Adams</u>		11/06		9:27:24		<u>Carine Adams</u>		9-27-24		11:06		Received on ice: <input checked="" type="checkbox"/> N								
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		T1 _____ T2 _____ T3 _____								
<u>Carine Adams</u>		9-27-24		1300		<u>Carine Adams</u>		9-27-24		1300										
Relinquished by: (Signature)		Date		Time		Received by: (Signature)		Date		Time		AVG Temp °C <u>4</u>								
<u>Carine Adams</u>		9-27-24		2050		<u>Carine Adams</u>		9-30-24		8:00										
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: 9/30/2024 9:45:18AM

## 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:	09/30/24 08:00	Work Order ID:	E409270
Phone:	(575) 631-6977	Date Logged In:	09/27/24 15:27	Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	10/04/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CouierComments/Resolution

Project Shell 35 Federal Battery has been separated into 3 reports. WO-E409268 to E409270. No of containers and sampled by not provided on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

20. Were field sample labels filled out with the minimum information:
 

Sample ID?	Yes
Date/Time Collected?	No
Collectors name?	No

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.

Report to:  
Gio Gomez



# envirotech

*Practical Solutions for a Better Tomorrow*

## Analytical Report

Pima Environmental Services-Carlsbad

Project Name: Shell 35 Federal Battery

Work Order: E411187

Job Number: 21064-0001

Received: 11/19/2024

Revision: 1

Report Reviewed By:

Walter Hinchman  
Laboratory Director  
11/25/24

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: 11/25/24



Gio Gomez  
PO Box 247  
Plains, TX 79355-0247

Project Name: Shell 35 Federal Battery  
Workorder: E411187  
Date Received: 11/19/2024 6:00:00AM

Gio Gomez,

Thank you for choosing Envirotech, Inc. as your analytical testing laboratory for the sample(s) received on, 11/19/2024 6:00:00AM, under the Project Name: Shell 35 Federal Battery.

The analytical test results summarized in this report with the Project Name: Shell 35 Federal Battery apply to the individual samples collected, identified and submitted bearing the project name on the enclosed chain-of-custody. Subcontracted sample analyses not conducted by Envirotech, Inc., are attached in full as issued by the subcontract laboratory.

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

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

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

Respectfully,

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## Sample Summary

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	<b>Reported:</b> 11/25/24 09:34
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	

Client Sample ID	Lab Sample ID	Matrix	Sampled	Received	Container
S1-5'	E411187-01A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S1-6'	E411187-02A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S2-5'	E411187-03A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S2-6'	E411187-04A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S3-5'	E411187-05A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S3-6'	E411187-06A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S7-5'	E411187-07A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S7-6'	E411187-08A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S8-5'	E411187-09A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S8-6'	E411187-10A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S9-5'	E411187-11A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S9-6'	E411187-12A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S10-5'	E411187-13A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S10-6'	E411187-14A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S11-5'	E411187-15A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S11-6'	E411187-16A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S12-5'	E411187-17A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S12-6'	E411187-18A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S13-5'	E411187-19A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S13-6'	E411187-20A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S14-5'	E411187-21A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.
S14-6'	E411187-22A	Soil	11/15/24	11/19/24	Glass Jar, 2 oz.



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S1-5'

E411187-01

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		104 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		97.3 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		104 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/19/24	
Surrogate: n-Nonane		115 %	50-200	11/19/24	11/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S1-6'

E411187-02

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		103 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		96.5 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		103 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/19/24	
Surrogate: n-Nonane		118 %	50-200	11/19/24	11/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	195	40.0	2	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S2-5'

E411187-03

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		100 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		96.6 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		100 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	33.9	25.0	1	11/19/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/19/24	
Surrogate: n-Nonane		115 %	50-200	11/19/24	11/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S2-6'

E411187-04

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		104 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		109 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		99.9 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		104 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/19/24	
Surrogate: n-Nonane		115 %	50-200	11/19/24	11/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	77.2	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S3-5'

E411187-05

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		107 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		98.0 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		107 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/19/24	
Surrogate: n-Nonane		116 %	50-200	11/19/24	11/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S3-6'

E411187-06

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		99.7 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/19/24	
Surrogate: n-Nonane		114 %	50-200	11/19/24	11/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	68.1	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S7-5'

E411187-07

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		98.4 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/19/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/19/24	
Surrogate: n-Nonane		112 %	50-200	11/19/24	11/19/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S7-6'

E411187-08

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		108 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		101 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		108 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		117 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	58.0	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S8-5'

E411187-09

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		98.3 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		116 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S8-6'

E411187-10

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		108 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		108 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.3 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		108 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		120 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	61.6	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S9-5'

E411187-11

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/19/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/19/24	
Toluene	ND	0.0250	1	11/19/24	11/19/24	
o-Xylene	ND	0.0250	1	11/19/24	11/19/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/19/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/19/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/19/24	11/19/24	
Surrogate: 1,2-Dichloroethane-d4		95.9 %	70-130	11/19/24	11/19/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/19/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		113 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S9-6'

E411187-12

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		104 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		96.2 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		104 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		110 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	59.4	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S10-5'

E411187-13

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		104 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		111 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S10-6'

E411187-14

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		102 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		102 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.5 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		105 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		112 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	57.9	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S11-5'

E411187-15

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		102 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		106 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		102 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		96.9 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		106 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		110 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S11-6'

E411187-16

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		107 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		107 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		113 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	57.0	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S12-5'

E411187-17

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		103 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		107 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		103 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		93.3 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		107 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		114 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	





## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S12-6'

E411187-18

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		106 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.9 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		106 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		112 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	75.7	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S13-5'

E411187-19

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		108 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		113 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		94.1 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		108 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		119 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	ND	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S13-6'

E411187-20

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		106 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447019
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		106 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		95.8 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		106 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447034
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/20/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/20/24	
Surrogate: n-Nonane		118 %	50-200	11/19/24	11/20/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: DT		Batch: 2447091
Chloride	58.2	20.0	1	11/21/24	11/21/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S14-5'

E411187-21

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447030
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		110 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		105 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		96.1 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		110 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/21/24	
Surrogate: n-Nonane		99.7 %	50-200	11/19/24	11/21/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447046
Chloride	ND	20.0	1	11/19/24	11/20/24	



## Sample Data

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

Project Name: Shell 35 Federal Battery  
Project Number: 21064-0001  
Project Manager: Gio Gomez

**Reported:**  
11/25/2024 9:34:28AM

S14-6'

E411187-22

Analyte	Result	Reporting Limit	Dilution	Prepared	Analyzed	Notes
<b>Volatile Organic Compounds by EPA 8260B</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447030
Benzene	ND	0.0250	1	11/19/24	11/20/24	
Ethylbenzene	ND	0.0250	1	11/19/24	11/20/24	
Toluene	ND	0.0250	1	11/19/24	11/20/24	
o-Xylene	ND	0.0250	1	11/19/24	11/20/24	
p,m-Xylene	ND	0.0500	1	11/19/24	11/20/24	
Total Xylenes	ND	0.0250	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		107 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - GRO</b>						
	mg/kg	mg/kg		Analyst: BA		Batch: 2447030
Gasoline Range Organics (C6-C10)	ND	20.0	1	11/19/24	11/20/24	
Surrogate: Bromofluorobenzene		107 %	70-130	11/19/24	11/20/24	
Surrogate: 1,2-Dichloroethane-d4		97.8 %	70-130	11/19/24	11/20/24	
Surrogate: Toluene-d8		107 %	70-130	11/19/24	11/20/24	
<b>Nonhalogenated Organics by EPA 8015D - DRO/ORO</b>						
	mg/kg	mg/kg		Analyst: AF		Batch: 2447033
Diesel Range Organics (C10-C28)	ND	25.0	1	11/19/24	11/21/24	
Oil Range Organics (C28-C36)	ND	50.0	1	11/19/24	11/21/24	
Surrogate: n-Nonane		98.0 %	50-200	11/19/24	11/21/24	
<b>Anions by EPA 300.0/9056A</b>						
	mg/kg	mg/kg		Analyst: JM		Batch: 2447046
Chloride	60.8	20.0	1	11/19/24	11/20/24	



## QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/25/2024 9:34:28AM

## Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

## Blank (2447019-BLK1)

Prepared: 11/19/24 Analyzed: 11/19/24

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	0.555		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

## LCS (2447019-BS1)

Prepared: 11/19/24 Analyzed: 11/19/24

Benzene	2.54	0.0250	2.50		102	70-130			
Ethylbenzene	2.46	0.0250	2.50		98.3	70-130			
Toluene	2.50	0.0250	2.50		100	70-130			
o-Xylene	2.58	0.0250	2.50		103	70-130			
p,m-Xylene	5.06	0.0500	5.00		101	70-130			
Total Xylenes	7.64	0.0250	7.50		102	70-130			
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.517		0.500		103	70-130			
Surrogate: Toluene-d8	0.527		0.500		105	70-130			

## LCS Dup (2447019-BSD1)

Prepared: 11/19/24 Analyzed: 11/19/24

Benzene	2.70	0.0250	2.50		108	70-130	6.05	23	
Ethylbenzene	2.63	0.0250	2.50		105	70-130	6.61	27	
Toluene	2.67	0.0250	2.50		107	70-130	6.54	24	
o-Xylene	2.68	0.0250	2.50		107	70-130	3.73	27	
p,m-Xylene	5.30	0.0500	5.00		106	70-130	4.66	27	
Total Xylenes	7.98	0.0250	7.50		106	70-130	4.35	27	
Surrogate: Bromofluorobenzene	0.550		0.500		110	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.497		0.500		99.4	70-130			
Surrogate: Toluene-d8	0.521		0.500		104	70-130			





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/25/2024 9:34:28AM

Volatile Organic Compounds by EPA 8260B

Analyst: BA

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

Blank (2447030-BLK1)

Prepared: 11/19/24 Analyzed: 11/20/24

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	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			

LCS (2447030-BS1)

Prepared: 11/19/24 Analyzed: 11/20/24

Benzene	2.52	0.0250	2.50		101	70-130			
Ethylbenzene	2.56	0.0250	2.50		103	70-130			
Toluene	2.58	0.0250	2.50		103	70-130			
o-Xylene	2.60	0.0250	2.50		104	70-130			
p,m-Xylene	5.17	0.0500	5.00		103	70-130			
Total Xylenes	7.77	0.0250	7.50		104	70-130			
Surrogate: Bromofluorobenzene	0.534		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.529		0.500		106	70-130			

LCS Dup (2447030-BSD1)

Prepared: 11/19/24 Analyzed: 11/20/24

Benzene	2.54	0.0250	2.50		101	70-130	0.554	23	
Ethylbenzene	2.54	0.0250	2.50		101	70-130	1.04	27	
Toluene	2.55	0.0250	2.50		102	70-130	1.17	24	
o-Xylene	2.62	0.0250	2.50		105	70-130	0.901	27	
p,m-Xylene	5.22	0.0500	5.00		104	70-130	0.837	27	
Total Xylenes	7.84	0.0250	7.50		104	70-130	0.859	27	
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.496		0.500		99.1	70-130			
Surrogate: Toluene-d8	0.520		0.500		104	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/25/2024 9:34:28AM

Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

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

Blank (2447019-BLK1) Prepared: 11/19/24 Analyzed: 11/19/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.555		0.500		111	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.500		0.500		99.9	70-130			
Surrogate: Toluene-d8	0.526		0.500		105	70-130			

LCS (2447019-BS2) Prepared: 11/19/24 Analyzed: 11/19/24

Gasoline Range Organics (C6-C10)	43.4	20.0	50.0		86.9	70-130			
Surrogate: Bromofluorobenzene	0.527		0.500		105	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.486		0.500		97.1	70-130			
Surrogate: Toluene-d8	0.540		0.500		108	70-130			

LCS Dup (2447019-BSD2) Prepared: 11/19/24 Analyzed: 11/19/24

Gasoline Range Organics (C6-C10)	45.3	20.0	50.0		90.6	70-130	4.24	20	
Surrogate: Bromofluorobenzene	0.537		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.476		0.500		95.2	70-130			
Surrogate: Toluene-d8	0.522		0.500		104	70-130			



## QC Summary Data

Pima Environmental Services-Carlsbad PO Box 247 Plains TX, 79355-0247	Project Name: Shell 35 Federal Battery Project Number: 21064-0001 Project Manager: Gio Gomez	Reported: 11/25/2024 9:34:28AM
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## Nonhalogenated Organics by EPA 8015D - GRO

Analyst: BA

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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## Blank (2447030-BLK1)

Prepared: 11/19/24 Analyzed: 11/20/24

Gasoline Range Organics (C6-C10)	ND	20.0							
Surrogate: Bromofluorobenzene	0.543		0.500		109	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.461		0.500		92.2	70-130			
Surrogate: Toluene-d8	0.549		0.500		110	70-130			

## LCS (2447030-BS2)

Prepared: 11/19/24 Analyzed: 11/20/24

Gasoline Range Organics (C6-C10)	46.5	20.0	50.0		92.9	70-130			
Surrogate: Bromofluorobenzene	0.535		0.500		107	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.482		0.500		96.3	70-130			
Surrogate: Toluene-d8	0.514		0.500		103	70-130			

## LCS Dup (2447030-BSD2)

Prepared: 11/19/24 Analyzed: 11/20/24

Gasoline Range Organics (C6-C10)	47.2	20.0	50.0		94.4	70-130	1.53	20	
Surrogate: Bromofluorobenzene	0.539		0.500		108	70-130			
Surrogate: 1,2-Dichloroethane-d4	0.472		0.500		94.4	70-130			
Surrogate: Toluene-d8	0.533		0.500		107	70-130			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/25/2024 9:34:28AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2447033-BLK1)					Prepared: 11/19/24 Analyzed: 11/20/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	53.6		50.0		107	50-200			

LCS (2447033-BS1)					Prepared: 11/19/24 Analyzed: 11/20/24				
Diesel Range Organics (C10-C28)	256	25.0	250		102	38-132			
Surrogate: n-Nonane	51.5		50.0		103	50-200			

Matrix Spike (2447033-MS1)					Source: E411184-03		Prepared: 11/19/24 Analyzed: 11/20/24		
Diesel Range Organics (C10-C28)	268	25.0	250	ND	107	38-132			
Surrogate: n-Nonane	54.1		50.0		108	50-200			

Matrix Spike Dup (2447033-MSD1)					Source: E411184-03		Prepared: 11/19/24 Analyzed: 11/20/24		
Diesel Range Organics (C10-C28)	272	25.0	250	ND	109	38-132	1.41	20	
Surrogate: n-Nonane	53.2		50.0		106	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/25/2024 9:34:28AM

Nonhalogenated Organics by EPA 8015D - DRO/ORO

Analyst: AF

Analyte	Result mg/kg	Reporting Limit mg/kg	Spike Level mg/kg	Source Result mg/kg	Rec %	Rec Limits %	RPD %	RPD Limit %	Notes
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Blank (2447034-BLK1)					Prepared: 11/19/24 Analyzed: 11/19/24				
Diesel Range Organics (C10-C28)	ND	25.0							
Oil Range Organics (C28-C36)	ND	50.0							
Surrogate: n-Nonane	56.1		50.0		112	50-200			

LCS (2447034-BS1)					Prepared: 11/19/24 Analyzed: 11/19/24				
Diesel Range Organics (C10-C28)	264	25.0	250		105	38-132			
Surrogate: n-Nonane	61.5		50.0		123	50-200			

Matrix Spike (2447034-MS1)					Source: E411187-03		Prepared: 11/19/24 Analyzed: 11/19/24		
Diesel Range Organics (C10-C28)	283	25.0	250	33.9	99.5	38-132			
Surrogate: n-Nonane	60.2		50.0		120	50-200			

Matrix Spike Dup (2447034-MSD1)					Source: E411187-03		Prepared: 11/19/24 Analyzed: 11/19/24		
Diesel Range Organics (C10-C28)	295	25.0	250	33.9	104	38-132	4.33	20	
Surrogate: n-Nonane	60.2		50.0		120	50-200			



QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/25/2024 9:34:28AM

Anions by EPA 300.0/9056A

Analyst: JM

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 (2447046-BLK1)					Prepared: 11/19/24 Analyzed: 11/20/24				
Chloride	ND	20.0							
LCS (2447046-BS1)					Prepared: 11/19/24 Analyzed: 11/20/24				
Chloride	265	20.0	250		106	90-110			
LCS Dup (2447046-BSD1)					Prepared: 11/19/24 Analyzed: 11/20/24				
Chloride	265	20.0	250		106	90-110	0.000369	20	





QC Summary Data

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	Reported:
PO Box 247	Project Number:	21064-0001	
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/25/2024 9:34:28AM

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 (2447091-BLK1)					Prepared: 11/21/24 Analyzed: 11/21/24				
Chloride	ND	20.0							
LCS (2447091-BS1)					Prepared: 11/21/24 Analyzed: 11/21/24				
Chloride	254	20.0	250		101	90-110			
LCS Dup (2447091-BSD1)					Prepared: 11/21/24 Analyzed: 11/21/24				
Chloride	253	20.0	250		101	90-110	0.151	20	

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



Definitions and Notes

Pima Environmental Services-Carlsbad	Project Name:	Shell 35 Federal Battery	
PO Box 247	Project Number:	21064-0001	Reported:
Plains TX, 79355-0247	Project Manager:	Gio Gomez	11/25/24 09:34

- ND      Analyte NOT DETECTED at or above the reporting limit
  - NR      Not Reported
  - RPD      Relative Percent Difference
  - DNI      Did Not Ignite
  - DNR      Did not react with the addition of acid or base.
- Note (1): Methods marked with \*\* are non-accredited methods.
- Note (2): Soil data is reported on an "as received" weight basis, unless reported otherwise.

## Project Information

## Chain of Custody

Page 1 of 3

Client: Pima Environmental Services Project: <u>Shell 35 Federal Battery</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					Bill To Attention: _____ Address: _____ City, State, Zip: _____ Phone: _____ Email: _____ Pima Project # _____					Lab Use Only Lab WO# <u>E41187</u> Job Number <u>21064.0001</u> Analysis and Method DRO/ORO by 8015 GRO/DRO by 8015 BTX by 8021 VOC by 8250 Metals 6010 Chloride 300.0 BGDOC NM BGDOC TX					TAT 1D 2D 3D Standard <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input checked="" type="checkbox"/>				EPA Program CWA SDWA RCRA	
State NM CO UT AZ TX <input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>					Remarks															
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number	DRO/ORO by 8015	GRO/DRO by 8015	BTX by 8021	VOC by 8250	Metals 6010	Chloride 300.0	BGDOC NM	BGDOC TX							
8:30	11/15	S		S1-5'	1							X								
8:38				S1-6'	2															
8:42				S2-5'	3															
8:49				S2-6'	4															
8:56				S3-5'	5															
9:12				S3-6'	6															
9:17				S7-5'	7															
9:25				S7-6'	8															
9:31				S8-5'	9															
9:36				S8-6'	10															
Additional Instructions:																				
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 5°C on subsequent days.								
Relinquished by: (Signature) <u>Karime Adame</u> Date <u>11/18/24</u> Time <u>1:10</u>												Received by: (Signature) <u>Michelle Gonzales</u> Date <u>11-18-24</u> Time <u>1310</u>								
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>11-18-24</u> Time <u>1615</u>												Received by: (Signature) <u>[Signature]</u> Date <u>11-18-24</u> Time <u>16:51</u>								
Relinquished by: (Signature) <u>[Signature]</u> Date <u>11-18-24</u> Time <u>2218</u>												Received by: (Signature) <u>Keith Mar</u> Date <u>11-19-24</u> Time <u>6:00</u>								
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other _____												Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA								
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																				



## Project Information

## Chain of Custody

Page 21 of 3

Client: Pima Environmental Services Project: <u>Shell 35 Federal Battery</u> Project Manager: <u>Gio Gomez</u> Address: <u>5614 N. Lovington Hwy.</u> City, State, Zip: <u>Hobbs, NM, 88240</u> Phone: <u>806-782-1151</u> Email: <u>gio@pimaoil.com</u> Report due by:					<b>Bill To</b> Attention: Address: City, State, Zip Phone: Email: Pima Project #					<b>Lab Use Only</b> Lab WO# <u>E411187</u> Job Number <u>21064-0001</u> Analysis and Method					<b>TAT</b> 1D 2D 3D Standard <u>X</u>				<b>EPA Program</b> CWA SDWA RCRA			
										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 <u>X</u>				Remarks				
Time Sampled	Date Sampled	Matrix	No. of Containers	Sample ID	Lab Number																	
9:45	11/15	S		S9-5'	11										X							
9:50				S9-6'	12																	
9:57				S10-5'	13																	
10:11				S10-6'	14																	
10:25				S11-5'	15																	
10:31				S11-6'	16																	
10:37				S12-5'	17																	
10:50				S12-6'	18																	
10:56				S13-5'	19																	
11:09				S13-6'	20																	
<b>Additional Instructions:</b> I, (field sampler), attest to the validity and authenticity of this sample. I am aware that tampering with or intentionally mislabelling the sample location, date or time of collection is considered fraud and may be grounds for legal action. Sampled by:																			Samples requiring thermal preservation must be received on ice the day they are sampled or received packed in ice at an avg temp above 0 but less than 5°C on subsequent days.			
Relinquished by: (Signature) <u>Karime Adams</u> Date <u>11/18/24</u> Time <u>1:10</u>					Received by: (Signature) <u>Michelle Gonzales</u> Date <u>11-18-24</u> Time <u>13:10</u>					Lab Use Only Received on ice: <u>Y</u> / N												
Relinquished by: (Signature) <u>Michelle Gonzales</u> Date <u>11-18-24</u> Time <u>16:15</u>					Received by: (Signature) <u>[Signature]</u> Date <u>11-18-24</u> Time <u>16:51</u>					T1 T2 T3												
Relinquished by: (Signature) <u>[Signature]</u> Date <u>11-18-24</u> Time <u>22:18</u>					Received by: (Signature) <u>Auth Man</u> Date <u>11-19-24</u> Time <u>6:00</u>					AVG Temp °C <u>4</u>												
Sample Matrix: S - Soil, Sd - Solid, Sg - Sludge, A - Aqueous, O - Other										Container Type: g - glass, p - poly/plastic, ag - amber glass, v - VOA												
Note: Samples are discarded 30 days after results are reported unless other arrangements are made. Hazardous samples will be returned to client or disposed of at the client expense. The report for the analysis of the above samples is applicable only to those samples received by the laboratory with this COC. The liability of the laboratory is limited to the amount paid for on the report.																						



### Chain of Custody



## Envirotech Analytical Laboratory

Printed: 11/19/2024 8:29:29AM

## 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:	11/19/24 06:00	Work Order ID:	E411187
Phone:	(575) 631-6977	Date Logged In:	11/18/24 14:54	Logged In By:	Caitlin Mars
Email:	gio@pimaoil.com	Due Date:	11/25/24 17:00 (4 day TAT)		

Chain of Custody (COC)

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

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

Carrier: CourierComments/Resolution

Sampled by and no of containers not listed on COC.

Sample Turn Around Time (TAT)

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

Sample Cooler

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

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

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

Sample Container

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

Field Label

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

Sample Preservation

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

Multiphase Sample Matrix

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

Subcontract Laboratory

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

Client Instruction

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

Date



envirotech Inc.



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State of New Mexico

Energy, Minerals and Natural Resources

Oil Conservation Division

1220 S. St Francis Dr.

Santa Fe, NM 87505

QUESTIONS

Action 427455

QUESTIONS

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 427455
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

QUESTIONS

Prerequisites	
Incident ID (n#)	nAPP2421946322
Incident Name	NAPP2421946322 SHELL 35 FEDERAL BATTERY @ 0
Incident Type	Oil Release
Incident Status	Remediation Plan Received

Location of Release Source	
Please answer all the questions in this group.	
Site Name	Shell 35 Federal Battery
Date Release Discovered	08/05/2024
Surface Owner	Federal

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   Production Tank   Crude Oil   Released: 3 BBL   Recovered: 2 BBL   Lost: 1 BBL.
Produced Water Released (bbls) Details	Cause: Equipment Failure   Production Tank   Produced Water   Released: 40 BBL   Recovered: 15 BBL   Lost: 25 BBL.
Is the concentration of chloride in the produced water >10,000 mg/l	Yes
Condensate Released (bbls) Details	Cause: Equipment Failure   Production Tank   Condensate   Released: 0 BBL   Recovered: 0 BBL   Lost: 0 BBL.
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 427455

**QUESTIONS (continued)**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 427455
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Nature and Volume of Release (continued)</b>	
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	Yes
Reasons why this would be considered a submission for a notification of a major release	From paragraph A. "Major release" determine using: (1) an unauthorized release of a volume, excluding gases, of 25 barrels or more.
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: Charles Hinojosa Title: Operations Manager Email: <a href="mailto:chinojosa@pedevco.com">chinojosa@pedevco.com</a> Date: 02/03/2025
--	--

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QUESTIONS, Page 3

Action 427455

**QUESTIONS (continued)**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 427455
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Site Characterization</b>	
<i>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.</i>	
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	NM OSE iWaters Database Search
Did this release impact groundwater or surface water	No
<b>What is the minimum distance, between the closest lateral extents of the release and the following surface areas:</b>	
A continuously flowing watercourse or any other significant watercourse	Greater than 5 (mi.)
Any lakebed, sinkhole, or playa lake (measured from the ordinary high-water mark)	Greater than 5 (mi.)
An occupied permanent residence, school, hospital, institution, or church	Greater than 5 (mi.)
A spring or a private domestic fresh water well used by less than five households for domestic or stock watering purposes	Greater than 5 (mi.)
Any other fresh water well or spring	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	Low
A 100-year floodplain	Greater than 5 (mi.)
Did the release impact areas not on an exploration, development, production, or storage site	No

<b>Remediation Plan</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
Requesting a remediation plan approval with this submission	Yes
<i>Attach a comprehensive report demonstrating the lateral and vertical extents of soil contamination associated with the release have been determined, pursuant to 19.15.29.11 NMAC and 19.15.29.13 NMAC.</i>	
Have the lateral and vertical extents of contamination been fully delineated	Yes
Was this release entirely contained within a lined containment area	No
<b>Soil Contamination Sampling:</b> (Provide the highest observable value for each, in milligrams per kilograms.)	
Chloride (EPA 300.0 or SM4500 Cl B)	14400
TPH (GRO+DRO+MRO) (EPA SW-846 Method 8015M)	24287.2
GRO+DRO (EPA SW-846 Method 8015M)	16132
BTEX (EPA SW-846 Method 8021B or 8260B)	16.2
Benzene (EPA SW-846 Method 8021B or 8260B)	0
<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>	
On what estimated date will the remediation commence	03/03/2025
On what date will (or did) the final sampling or liner inspection occur	11/15/2024
On what date will (or was) the remediation complete(d)	04/03/2025
What is the estimated surface area (in square feet) that will be reclaimed	2600
What is the estimated volume (in cubic yards) that will be reclaimed	419
What is the estimated surface area (in square feet) that will be remediated	2600
What is the estimated volume (in cubic yards) that will be remediated	419
<i>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.</i>	
<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 4

Action 427455

**QUESTIONS (continued)**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 427455
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

<b>Remediation Plan (continued)</b>	
<i>Please answer all the questions that apply or are indicated. This information must be provided to the appropriate district office no later than 90 days after the release discovery date.</i>	
<b>This remediation will (or is expected to) utilize the following processes to remediate / reduce contaminants:</b>	
<i>(Select all answers below that apply.)</i>	
(Ex Situ) Excavation and <b>off-site</b> disposal (i.e. dig and haul, hydrovac, etc.)	Yes
Which OCD approved facility will be used for <b>off-site</b> disposal	GANDY MARLEY LANDFARM/LANDFILL [FEEM0112338393]
<b>OR</b> which OCD approved well (API) will be used for <b>off-site</b> disposal	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, out-of-state	Not answered.
<b>OR</b> is the <b>off-site</b> disposal site, to be used, an NMED facility	Not answered.
(Ex Situ) Excavation and <b>on-site</b> remediation (i.e. On-Site Land Farms)	Not answered.
(In Situ) Soil Vapor Extraction	Not answered.
(In Situ) Chemical processing (i.e. Soil Shredding, Potassium Permanganate, etc.)	Not answered.
(In Situ) Biological processing (i.e. Microbes / Fertilizer, etc.)	Not answered.
(In Situ) Physical processing (i.e. Soil Washing, Gypsum, Disking, etc.)	Not answered.
Ground Water Abatement pursuant to 19.15.30 NMAC	Not answered.
OTHER (Non-listed remedial process)	Not answered.
<i>Per Subsection B of 19.15.29.11 NMAC unless the site characterization report includes completed efforts at remediation, the report must include a proposed remediation plan in accordance with 19.15.29.12 NMAC, which includes the anticipated timelines for beginning and completing the remediation.</i>	
I hereby certify that the information given above is true and complete to the best of my knowledge and understand that pursuant to OCD rules and regulations all operators are required to report and/or file certain release notifications and perform corrective actions for releases which may endanger public health or the environment. The acceptance of a C-141 report by the OCD does not relieve the operator of liability should their operations have failed to adequately investigate and remediate contamination that pose a threat to groundwater, surface water, human health or the environment. In addition, OCD acceptance of a C-141 report does not relieve the operator of responsibility for compliance with any other federal, state, or local laws and/or regulations.	
I hereby agree and sign off to the above statement	Name: Charles Hinojosa Title: Operations Manager Email: <a href="mailto:chinojosa@pedevco.com">chinojosa@pedevco.com</a> Date: 02/03/2025
<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 427455

QUESTIONS (continued)

Operator:  RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID:  164557
	Action Number:  427455
	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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Phone: (505) 629-6116

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

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

QUESTIONS, Page 6

Action 427455

**QUESTIONS (continued)**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 427455
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**QUESTIONS**

Sampling Event Information	
Last sampling notification (C-141N) recorded	396026
Sampling date pursuant to Subparagraph (a) of Paragraph (1) of Subsection D of 19.15.29.12 NMAC	10/29/2024
What was the (estimated) number of samples that were to be gathered	33
What was the sampling surface area in square feet	2918

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

General Information  
Phone: (505) 629-6116

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CONDITIONS

Action 427455

**CONDITIONS**

Operator: RIDGEWAY ARIZONA OIL CORP. 575 N. Dairy Ashford Houston, TX 77079	OGRID: 164557
	Action Number: 427455
	Action Type: [C-141] Site Char./Remediation Plan C-141 (C-141-v-Plan)

**CONDITIONS**

Created By	Condition	Condition Date
rhamlet	The Remediation Plan is Conditionally Approved. All samples must be analyzed for all constituents listed in Table I of 19.15.29.12 NMAC. Floor confirmation samples should be delineated/excavated to meet closure criteria standards from Table 1 of the OCD Spill Rule for site assessment/characterization/proven depth to water determination. Sidewall/Edge samples should be delineated/excavated to 600 mg/kg for chlorides and 100 mg/kg for TPH to define the edge of the release. The release area will need confirmation floor/sidewall samples representing no more than 200 ft2. All sidewall samples should be taken from the sidewall of the excavation. Please make sure that the edge of the release extent is accurately defined. All off-pad areas must meet reclamation/revegetation standards set forth in the OCD Spill Rule. The work will need to be completed in 90 days after the report has been reviewed.	2/11/2025